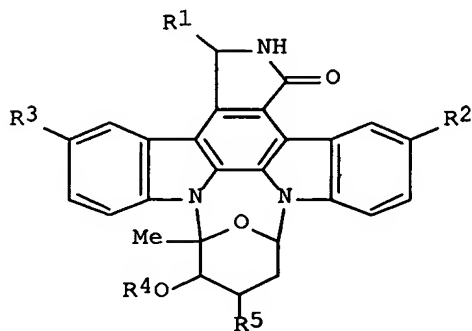


L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:50652 CAPLUS
 DN 134:116112
 TI Preparation of staurosporin derivatives as antitumor agents
 IN Kanai, Fumihiko; Amishiro, Nobuyoshi; Kitamura, Yushi; Murakata, Chikara; Akiyama, Tadakazu; Akinaga, Shiro; Fuse, Eiichi; Kuwabara, Takashi; Yasoshima, Kenichi
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO PCT Int. Appl., 190 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001004125	A1	20010118	WO 2000-JP4702	20000713
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1201668	A1	20020502	EP 2000-946296	20000713
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	JP 1999-198393	A	19990713		
	WO 2000-JP4702	W	20000713		
OS	MARPAT 134:116112				
GI					



I

AB The title compds. I [R1 is hydrogen, hydroxyl, or lower alkoxy; R2 and R3 are each independently hydrogen, substituted or unsubstituted lower alkyl, substituted or unsubstituted lower alkenyl, substituted or unsubstituted lower alkynyl, substituted or unsubstituted aryl, a substituted or unsubstituted heterocyclic group, halogeno, nitro, formyl, or the like; R4 is hydrogen or the like; and R5 is NR11AR12A (wherein R11A and R12A are each hydrogen, substituted or unsubstituted lower alkyl, or the like), a proviso is given] are prepd. Compds. of this invention in vitro showed IC50 values of 0.0051 .mu.mol/L to 0.19 .mu.mol/L against lung cancer cells A-449. I also increase the activity of antitumor agents. Formulations are given.
 IT 320382-30-7P 320382-31-8P 320382-32-9P

320382-33-0P 320382-35-2P 320382-36-3P
 320382-37-4P 320382-38-5P 320382-39-6P
 320382-40-9P 320382-41-0P 320382-42-1P
 320382-43-2P 320382-44-3P 320382-45-4P
 320382-47-6P 320382-49-8P 320382-50-1P
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 320383-77-5P 320383-78-6P 320383-96-8P
 320383-97-9P 320384-18-7P 320384-20-1P

RL: BAC (Biological activity or effector, except adverse); BSU

(Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

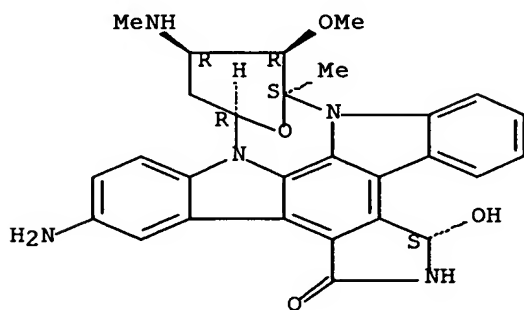
BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of staurosporin derivs. as antitumor agents)

RN 320382-30-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

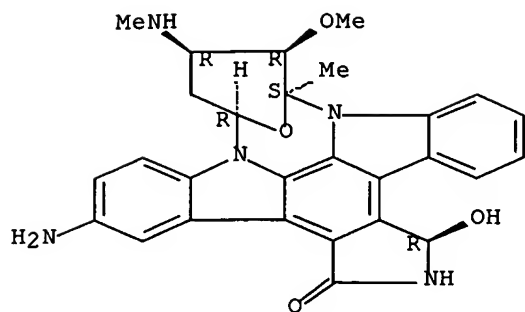
Absolute stereochemistry.



RN 320382-31-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

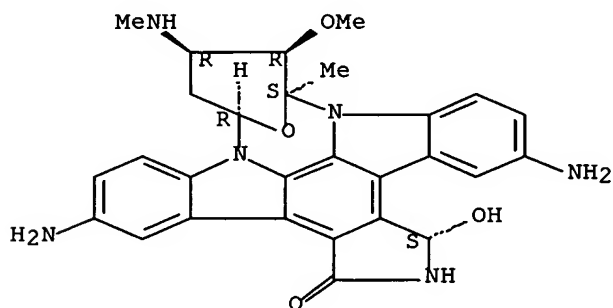
Absolute stereochemistry.



RN 320382-32-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-
(9CI)
(CA INDEX NAME)

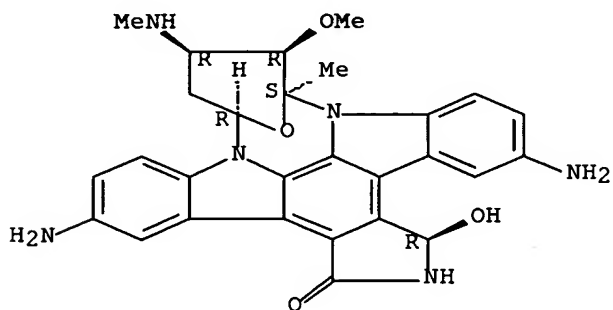
Absolute stereochemistry.



RN 320382-33-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-
(9CI)
(CA INDEX NAME)

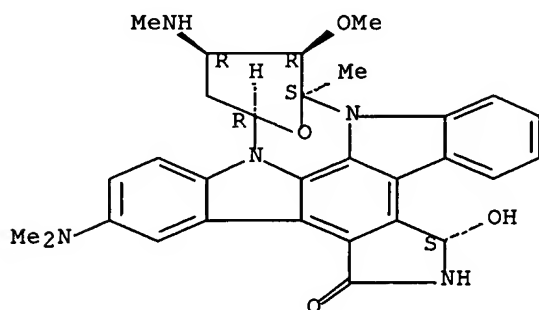
Absolute stereochemistry.



RN 320382-35-2 CAPLUS

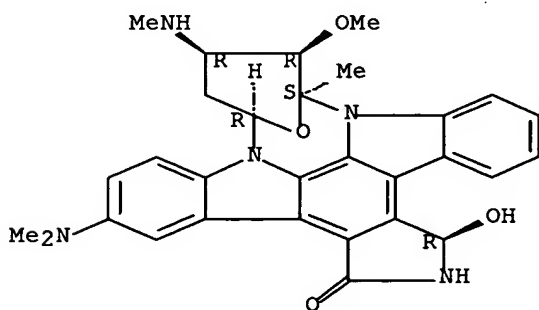
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



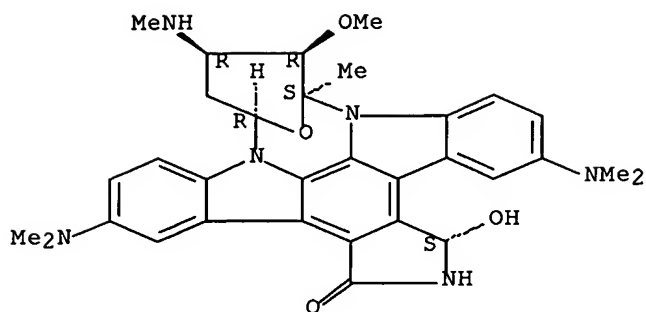
RN 320382-36-3 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



RN 320382-37-4 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

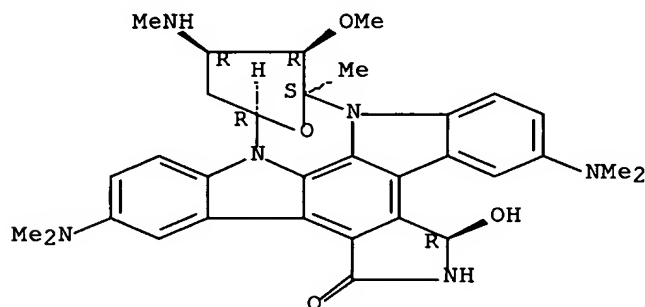
Absolute stereochemistry.



RN 320382-38-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

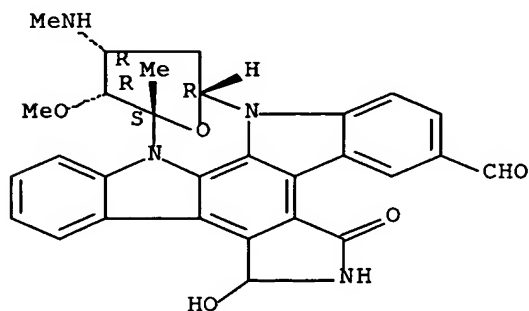
Absolute stereochemistry.



RN 320382-39-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



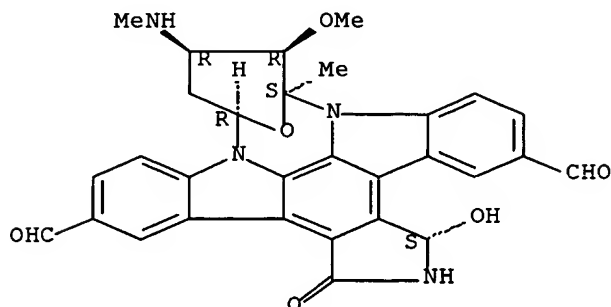
RN 320382-40-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-

3-

hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-,
(3S,9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



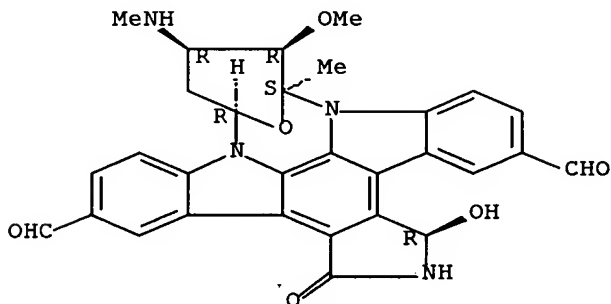
RN 320382-41-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-3-

hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-,

(3R,9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

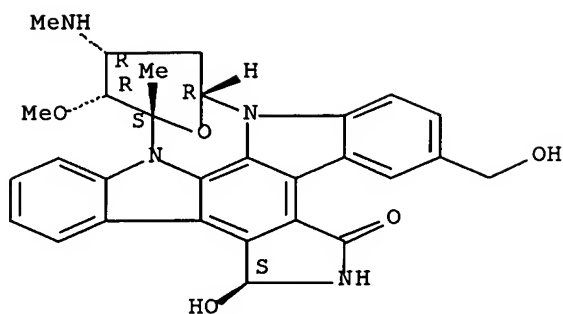
Absolute stereochemistry.



RN 320382-42-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-,
(3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

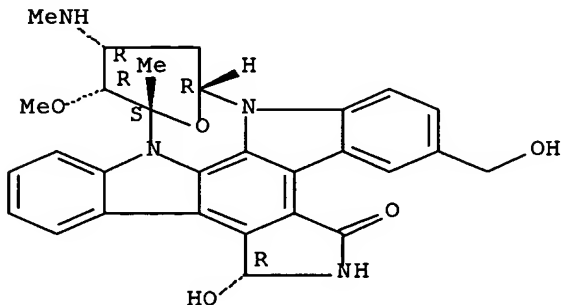
Absolute stereochemistry.



RN 320382-43-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

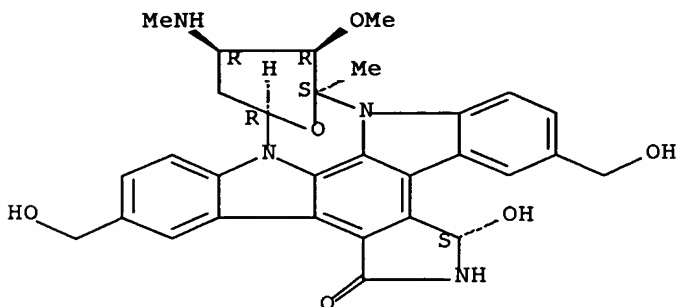
Absolute stereochemistry.



RN 320382-44-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

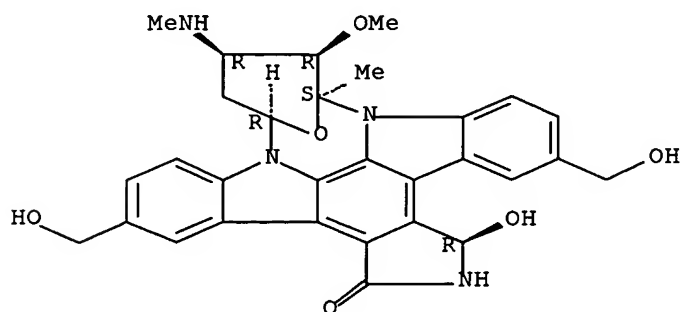


RN 320382-45-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-

bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

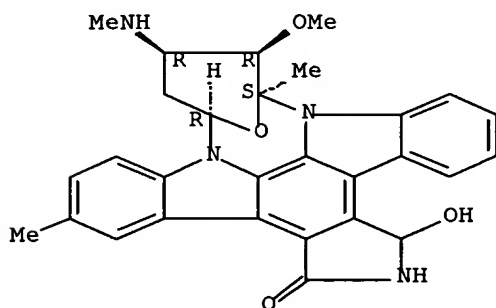
Absolute stereochemistry.



RN 320382-47-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9,17-dimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

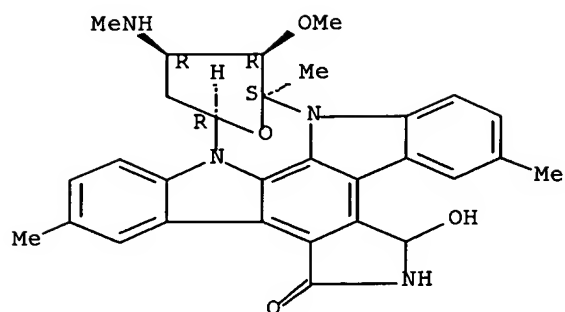
Absolute stereochemistry.



RN 320382-49-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,9,17-trimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

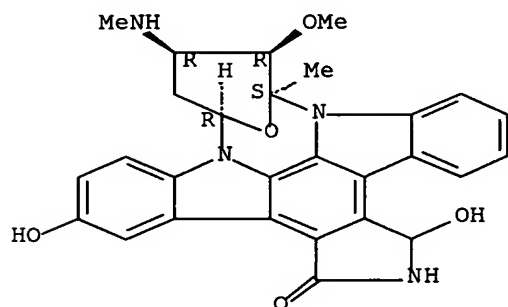
Absolute stereochemistry.



RN 320382-50-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

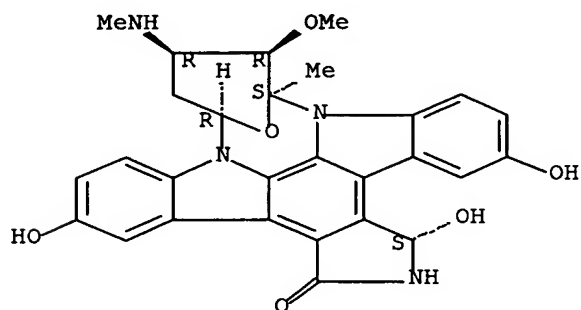
Absolute stereochemistry.



RN 320382-51-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,5,17-trihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

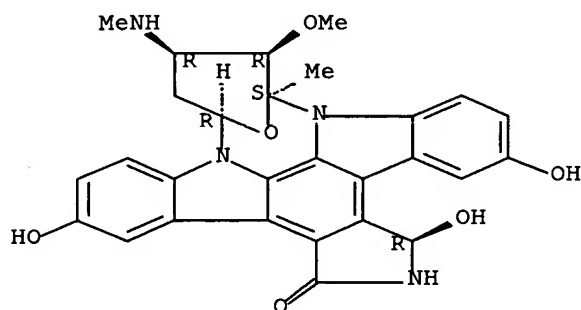
Absolute stereochemistry.



RN 320382-52-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,5,17-trihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

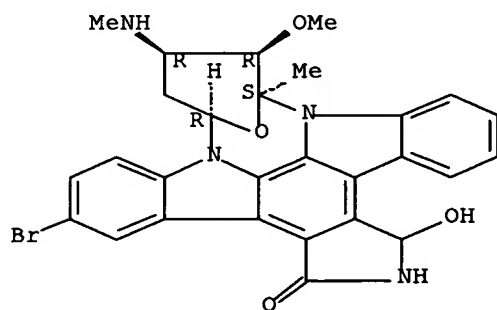
Absolute stereochemistry.



RN 320382-53-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

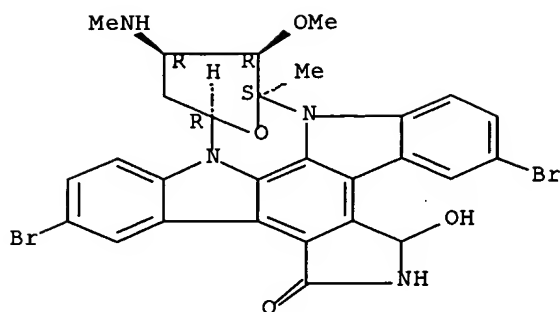
Absolute stereochemistry.



RN 320382-54-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-dibromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



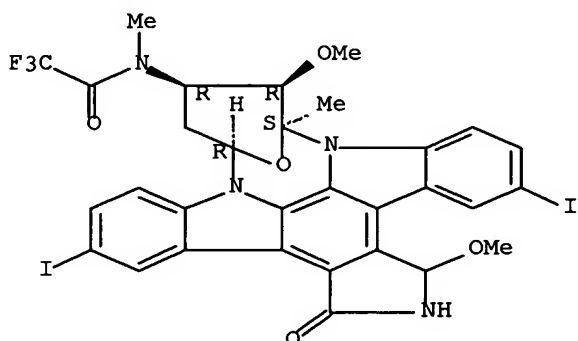
RN 320382-55-6 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-

5,17-diiodo-3,10-dimethoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-

gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
(CA INDEX NAME)

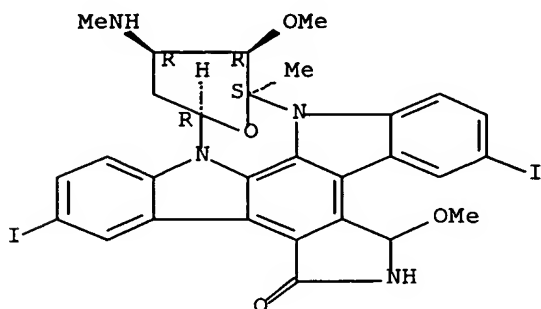
Absolute stereochemistry.



RN 320382-56-7 CAPLUS

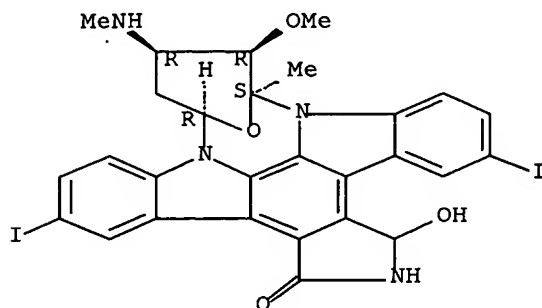
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-diiodo-3,10-dimethoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



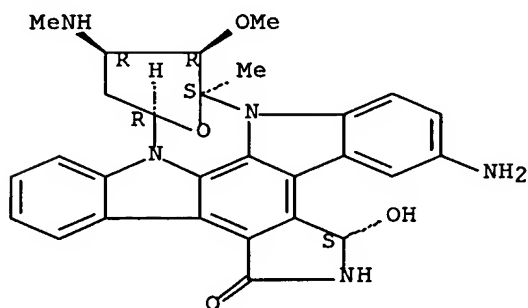
RN 320382-57-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-diiodo-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



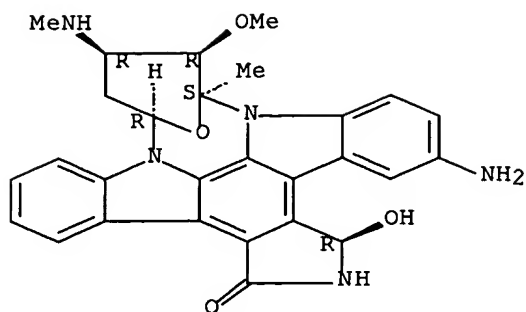
RN 320382-61-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-62-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

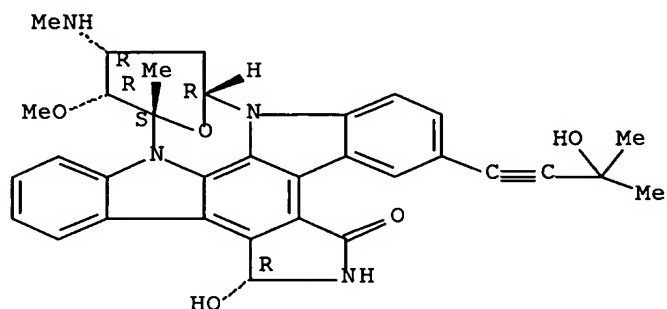
Absolute stereochemistry.



RN 320382-66-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

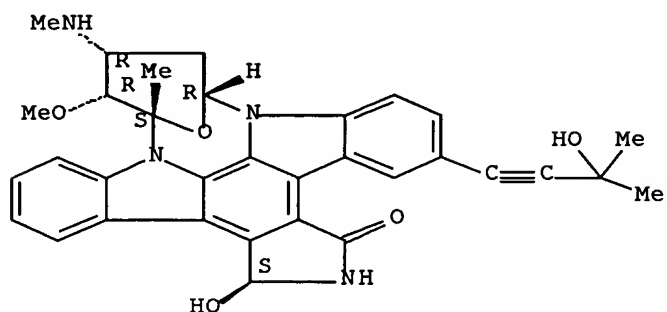
Absolute stereochemistry.



RN 320382-67-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

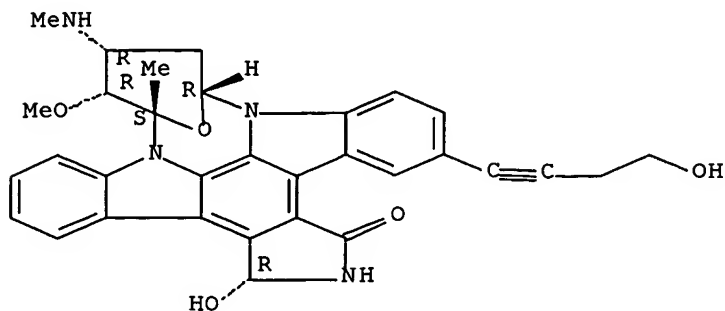


RN 320382-70-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(4-

hydroxy-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

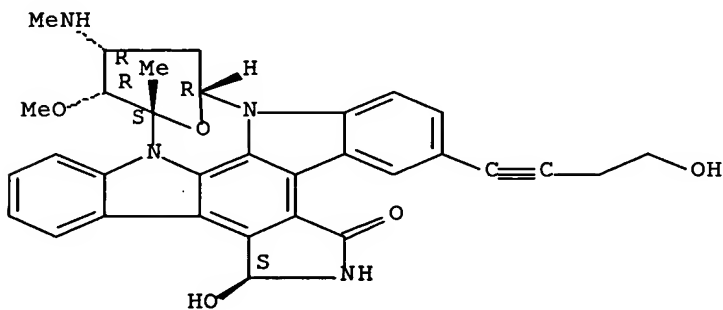
Absolute stereochemistry.



RN 320382-71-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(4-hydroxy-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

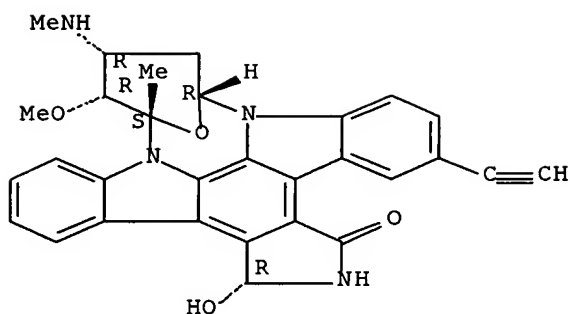
Absolute stereochemistry.



RN 320382-74-9 CAPLUS

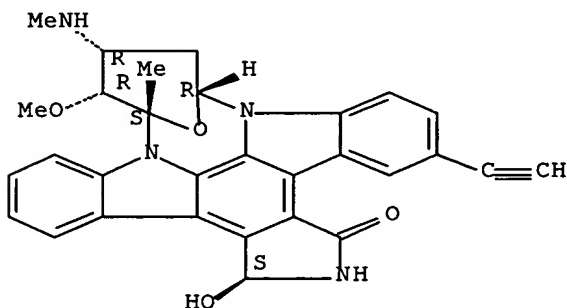
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-ethynyl-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



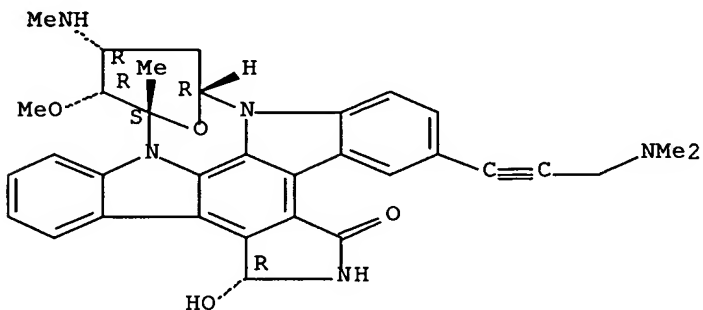
RN 320382-75-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-ethynyl-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-80-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

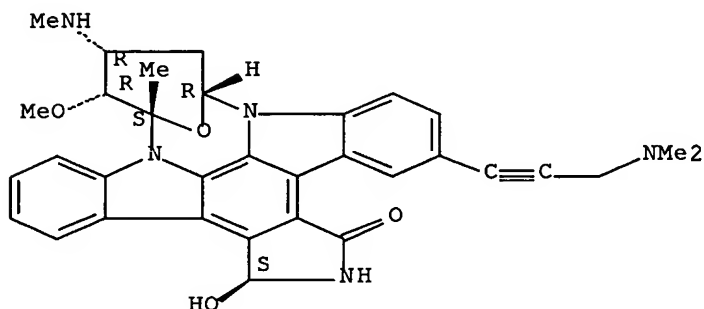
Absolute stereochemistry.



RN 320382-81-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

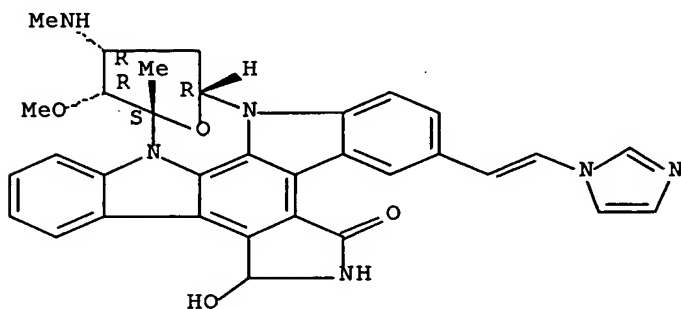


RN 320382-94-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-[2-(1H-imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

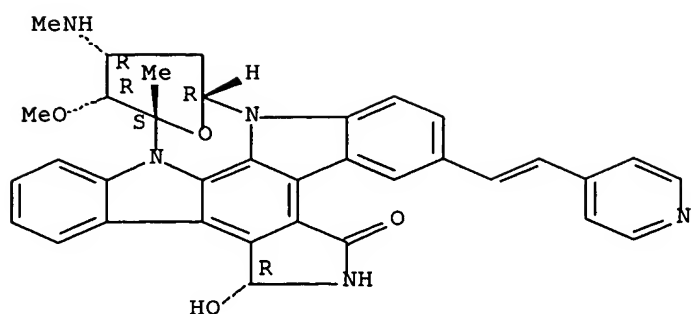


RN 320382-97-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-pyridinyl)ethenyl]-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

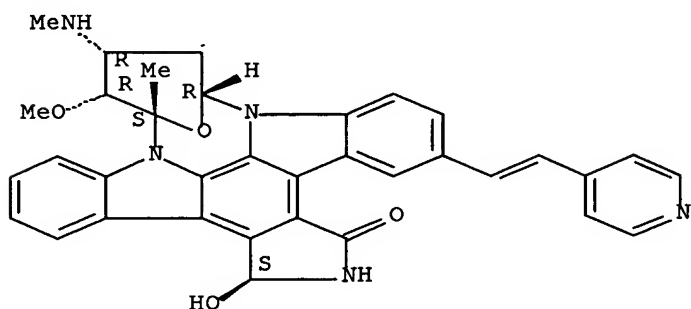
Absolute stereochemistry.

Double bond geometry unknown.



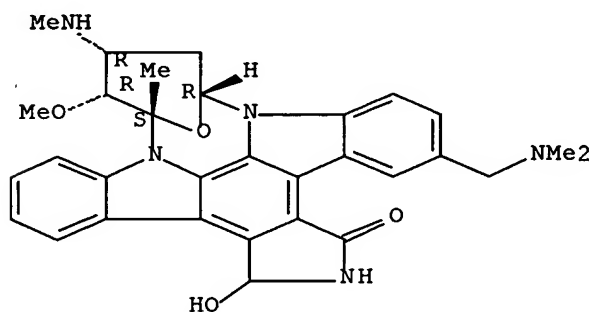
RN 320382-98-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-pyridinyl)ethenyl]-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



RN 320383-19-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(dimethylamino)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

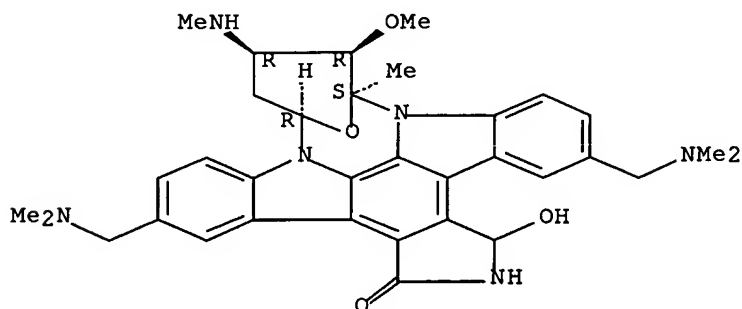
Absolute stereochemistry.



RN 320383-21-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(dimethylamino)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

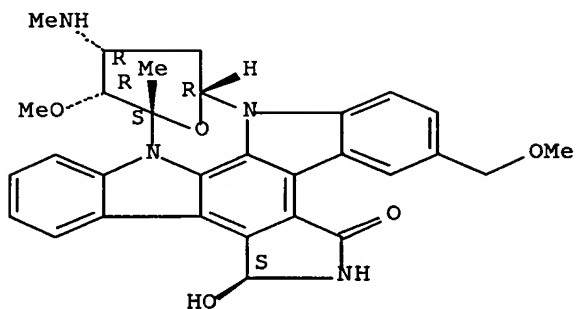
Absolute stereochemistry.



RN 320383-32-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-17-(methoxymethyl)-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

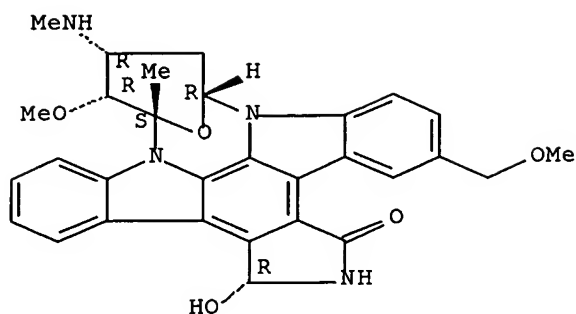
Absolute stereochemistry.



RN 320383-33-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-17-(methoxymethyl)-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

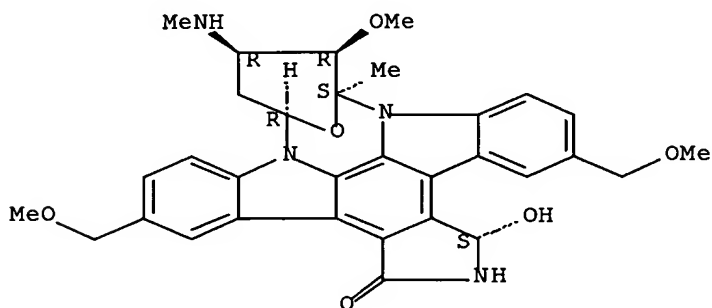
Absolute stereochemistry.



RN 320383-38-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

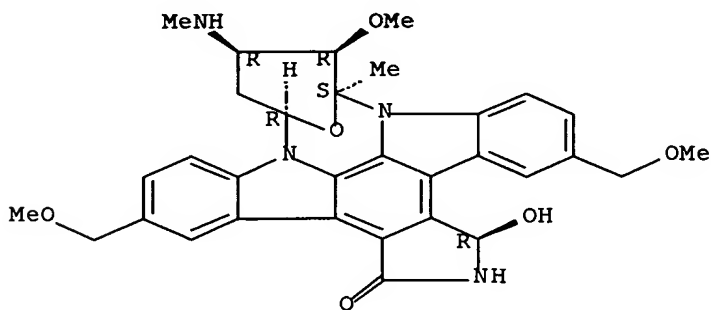
Absolute stereochemistry.



RN 320383-39-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

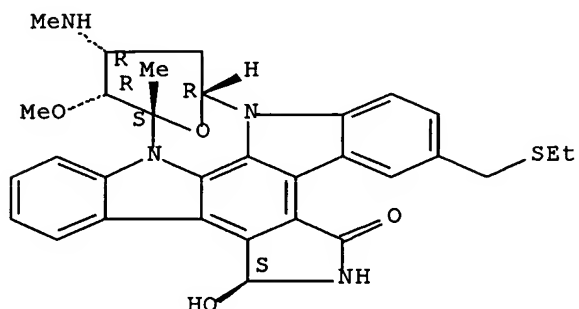
Absolute stereochemistry.



RN 320383-41-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

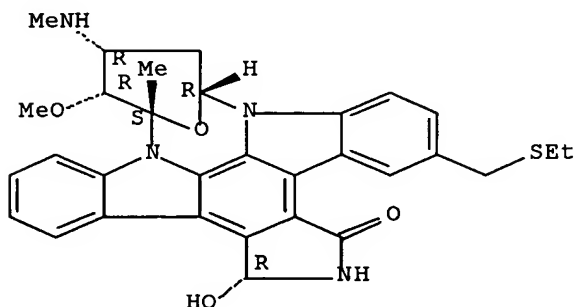
Absolute stereochemistry.



RN 320383-42-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

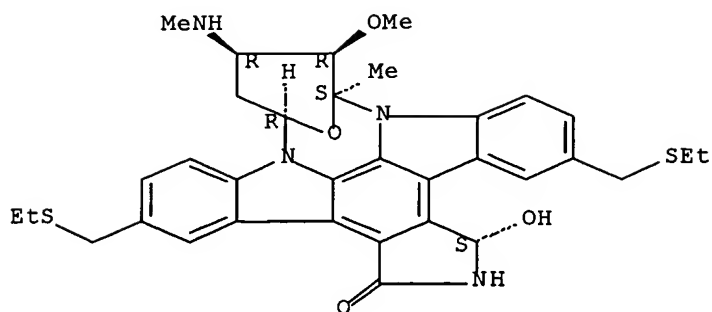
Absolute stereochemistry.



RN 320383-44-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

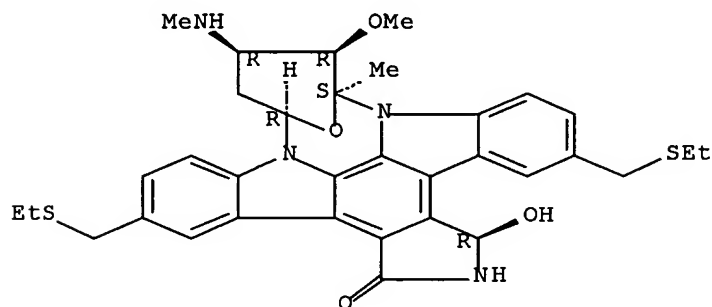
Absolute stereochemistry.



RN 320383-45-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

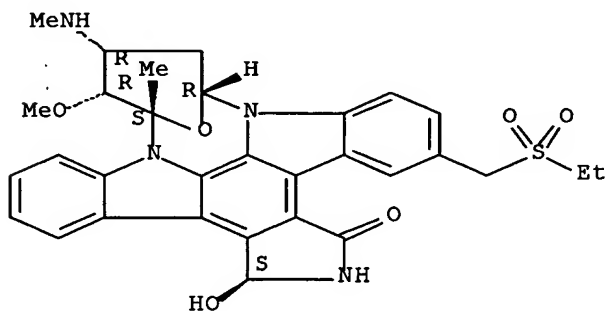
Absolute stereochemistry.



RN 320383-47-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

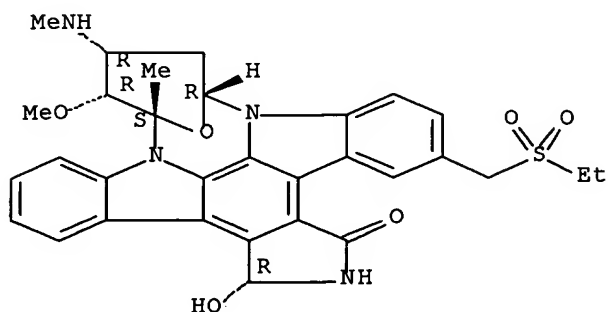


RN 320383-48-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylsulfonyl)methyl]-2,3,10,11,12,13-

hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

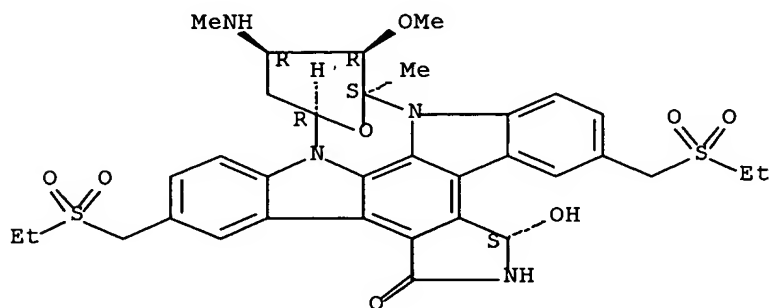
Absolute stereochemistry.



RN 320383-50-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,
(3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

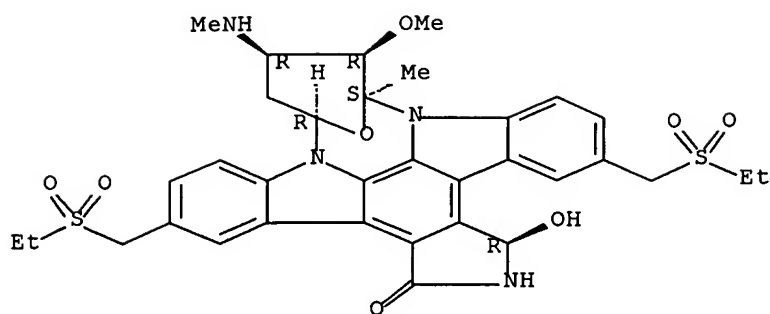
Absolute stereochemistry.



RN 320383-51-5 CAPLUS

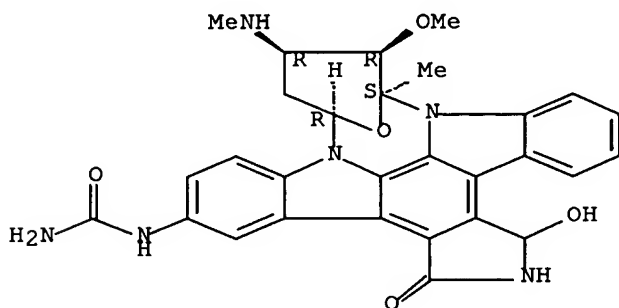
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



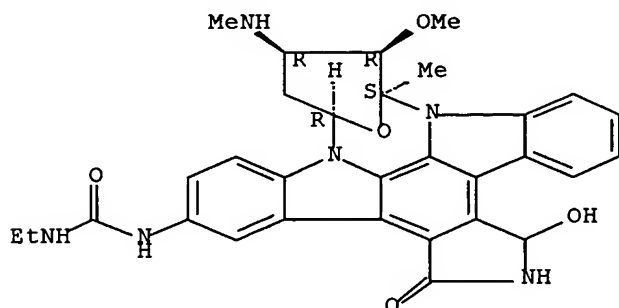
RN 320383-55-9 CAPLUS
 CN Urea, [(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



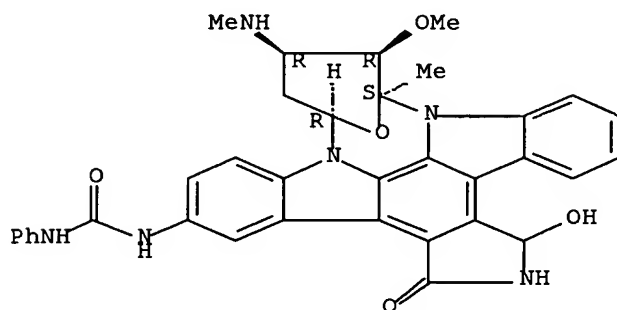
RN 320383-58-2 CAPLUS
 CN Urea, N-ethyl-N'-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



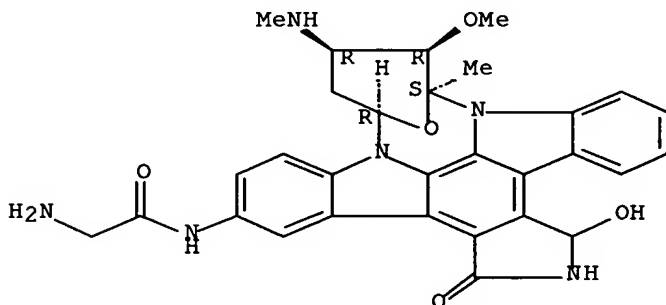
RN 320383-62-8 CAPLUS
 CN Urea, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-phenyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



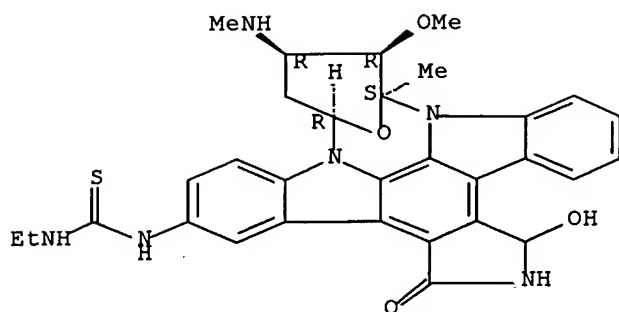
RN 320383-64-0 CAPLUS
 CN Acetamide, 2-amino-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-68-4 CAPLUS
 CN Thiourea, N'-ethyl-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

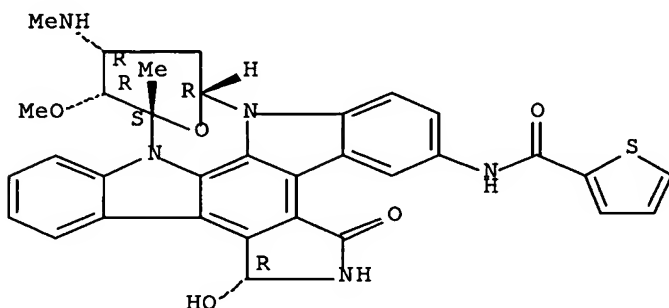


RN 320383-77-5 CAPLUS

CN 2-Thiophenecarboxamide, N-[(1R,9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-

hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

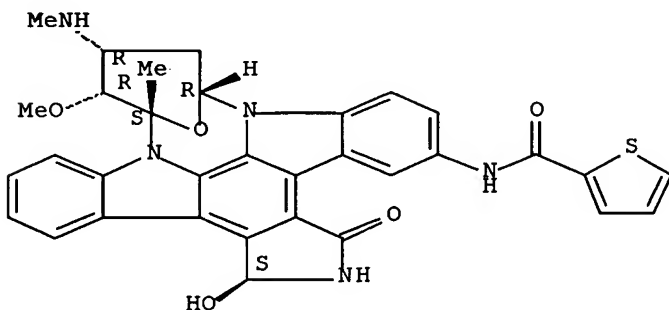


RN 320383-78-6 CAPLUS

CN 2-Thiophenecarboxamide, N-[(1S,9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-

hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-(9CI) (CA INDEX NAME)

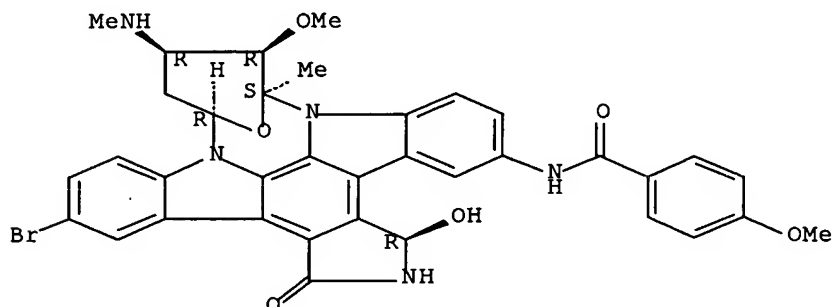
Absolute stereochemistry.



RN 320383-96-8 CAPLUS

CN Benzamide, N-[(3R,9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

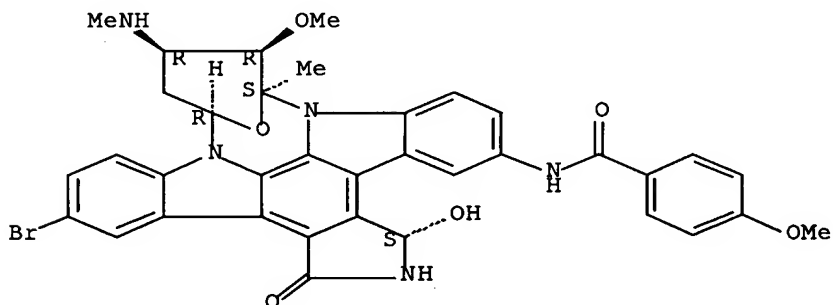
Absolute stereochemistry.



RN 320383-97-9 CAPLUS

CN Benzamide, N-[(3S,9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

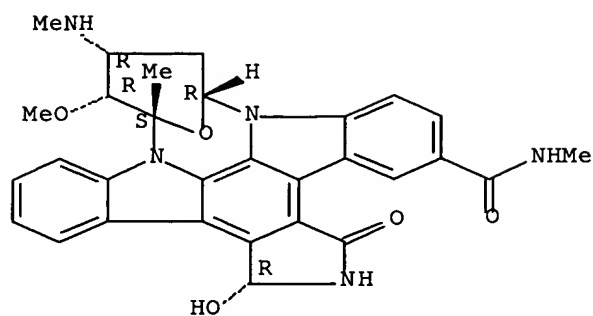
Absolute stereochemistry.



RN 320384-18-7 CAPLUS

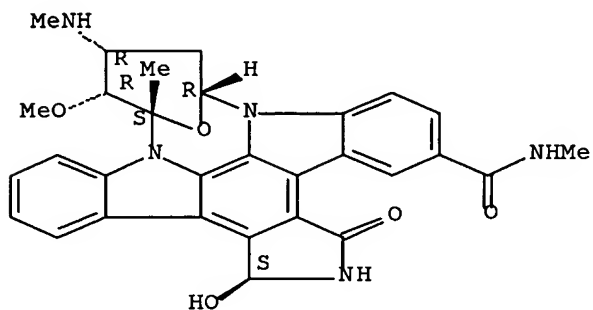
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-N,13-dimethyl-11-(methylamino)-3-oxo-, (1R,9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-20-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-N,13-dimethyl-11-(methylamino)-3-oxo-, (1S,9R,11R,12R,13S)-(9CI) (CA INDEX NAME)

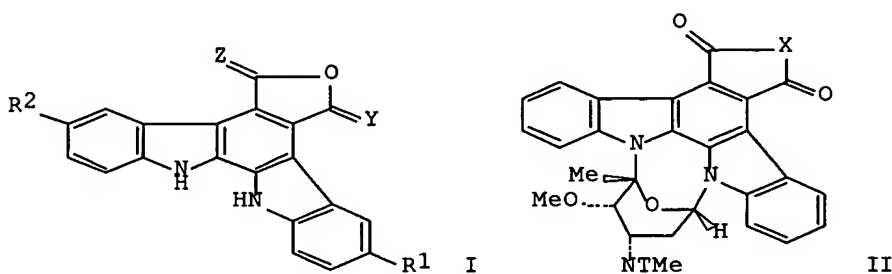
Absolute stereochemistry.



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1994:31003 CAPLUS
 DN 120:31003
 TI Preparation of indolocarbazole derivatives as antitumor agents
 IN Yamada, Rintaro; Hayashi, Yoshiharu
 PA Asahi Chemical Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05140168	A2	19930608	JP 1991-297072	19911113
PRAI	JP 1991-297072		19911113		
OS	MARPAT 120:31003				
GI					



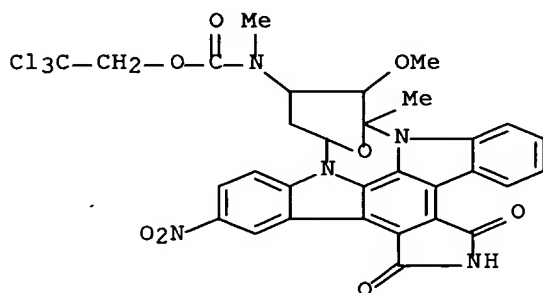
AB The title compds. I (C:z, C:Y = CH₂, C:O; one of C:Z and C:Y must be Other than CH₂; R₁, R₂ = H, nitro, OH, halo, etc.) were prepd. A mixt. of indolocarbazole deriv. II (X = NH; T = Cl₃C CH₂O₂C) and aq. NH₄OH in MeOH and dioxane was heated at 50.degree. for 3 h. The resulting mixt. was then treated with aq. NaOH at 10.degree. for 3.5 h to give II (X = O; T = Cl₃CCH₂O₂C) (III). Treatment of III with a mixt. of CF₃CO₂H and HCl gave, after workup, I (Y = Z = O, R₁ = R₂ = H) (IV). IV at 10 mg/kg showed antitumor activity in mice.

IT 149166-82-5P 149166-84-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (prepn. and reaction of, in prepn. of
 antitumor agent)

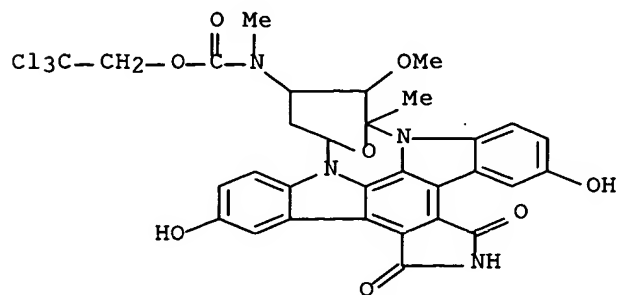
RN 149166-82-5 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-
 1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester,
 (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



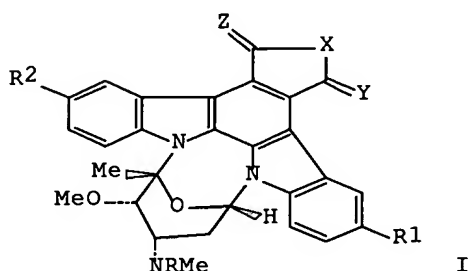
RN 149166-84-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1993:517031 CAPLUS
 DN 119:117031
 TI Preparation of staurosporine derivatives as blood platelet aggregation inhibitors
 IN Yamada, Rintaro; Sato, Kazue; Omura, Satoshi; Harigai, Yoshihiro
 PA Asahi Chemical Industry Co., Ltd., Japan; Kitasato Institute
 SO Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04364186	A2	19921216	JP 1991-163325	19910610
PRAI	JP 1991-163325		19910610		
OS	MARPAT 119:117031				
GI					



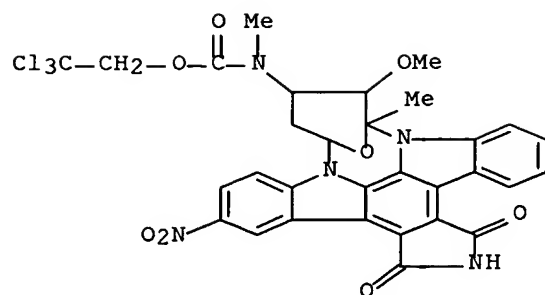
AB Staurosporine derivs. [I; R = H, protecting group; R1, R2 = H, NH2, OH, CH2OH; X = NH, O; Y, Z = 2 H, O, but Y = Z = 2H] are prepd. Protection of staurosporine with ClCO2CH2CCl3 in pyridine gave 82% protected staurosporine I (R = CO2CH2CCl3; R1 = R2 = H, X = NH, Y = O, Z = 2H), which was dissolved in 2,6-lutidine and heated with Ac2O at 140.degree. to give 85% N-Ac deriv. (X = NAc, others remain unchanged) (II). Nitration of II with fuming HNO3 and CF3SO3H in CH2Cl2 gave 91% nitro compd. I (R = CO2CH2CCl3, R1 = NO2, R2 = H, X = NAc, Y = O5, Z = 2 H), which was deacetylated with 85% N2H4, H2O in Me Cellosolve to give 78% I (X = NH, others remain unchanged) (III). Oxidn. of III with Mn(III) acetylacetonate and Me3COOH in Me3COH-1,4-dioxane gave 77% dione I (R = CO2CH2CCl3, R1 = NO2, R2 = H, X = NH, Y = Z = O), which was reduced with Zn/HCl in Me Cellosolve at 0.degree. to give 35% I (R1 = NH2, others remain unchanged) (IV). IV showed excellent inhibition against ADP-induced blood platelet aggregation at 5 .mu.M, vs. no effect with 100 .mu.M aspirin.

IT 149166-82-5P 149166-83-6P 149166-84-7P
 149166-86-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (prepn. and reaction of, in prepn. of blood platelets aggregation inhibitor)

RN 149166-82-5 CAPLUS

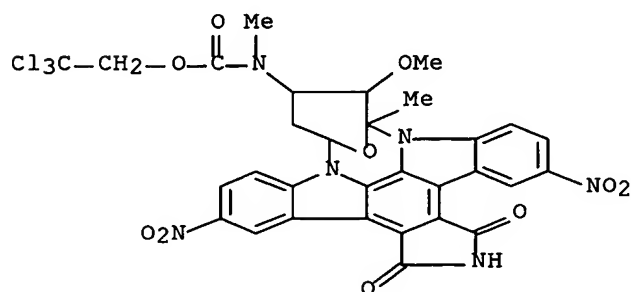
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



RN 149166-83-6 CAPLUS

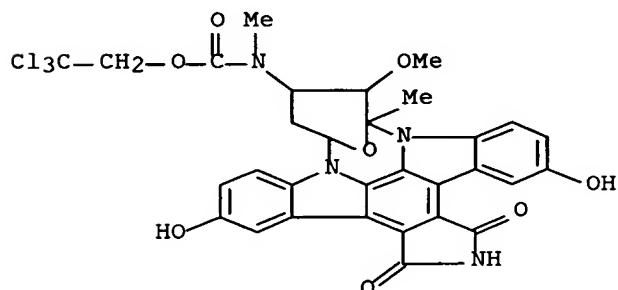
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-

1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



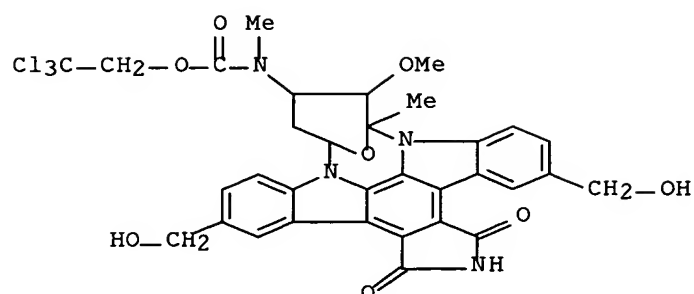
RN 149166-84-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



RN 149166-86-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)

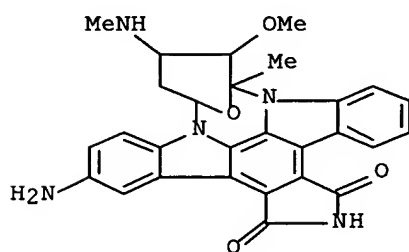


IT 149166-88-1P 149166-89-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, fast blood platelet aggregation inhibitor)

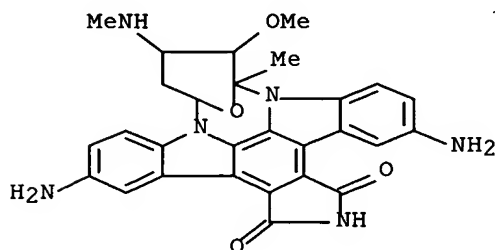
RN 149166-88-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1,3(2H)-dione, 17-amino-10,11,12,13-tetrahydro-10-methoxy-9-methyl-11-(methylamino)-, (9.alpha.,10.beta.,11.beta.,13.alpha.)-(9CI) (CA INDEX NAME)

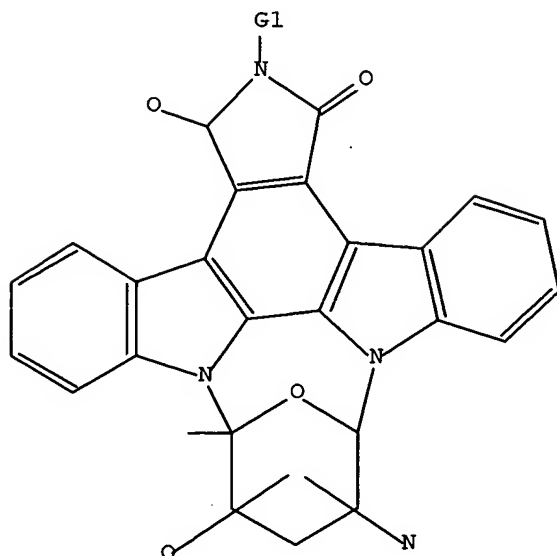


RN 149166-89-2 CAPLUS

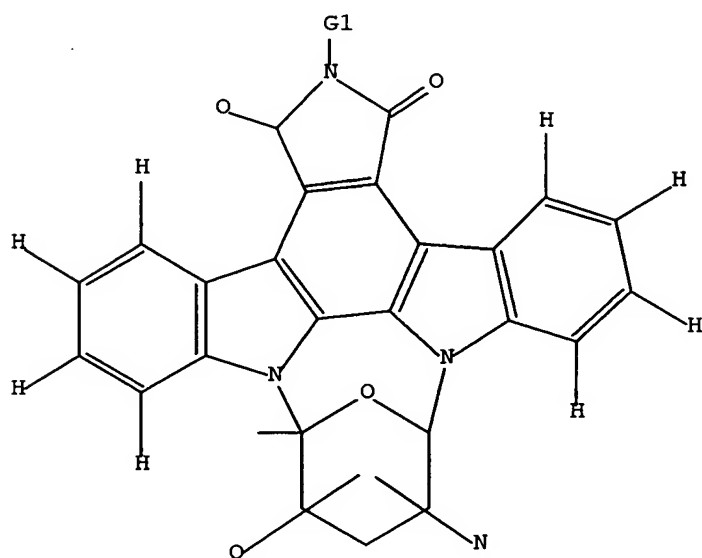
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1,3(2H)-dione, 5,17-diamino-10,11,12,13-tetrahydro-10-methoxy-9-methyl-11-(methylamino)-, (9.alpha.,10.beta.,11.beta.,13.alpha.)-(9CI) (CA INDEX NAME)



L1	STR
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L5 STR



L2 8 S L1

L3 146 S L1 FUL

FILE 'CAPLUS' ENTERED AT 18:50:59 ON 12 DEC 2003
L4 226 S L3

FILE 'STNGUIDE' ENTERED AT 18:51:20 ON 12 DEC 2003

FILE 'REGISTRY' ENTERED AT 18:52:56 ON 12 DEC 2003
L5 STRUCTURE UPLOADED
L6 77 S L5 SUB=L3 FUL
L7 69 S L3 NOT L6

FILE 'CAPLUS' ENTERED AT 18:53:49 ON 12 DEC 2003
L8 3 S L7

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.03	198.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

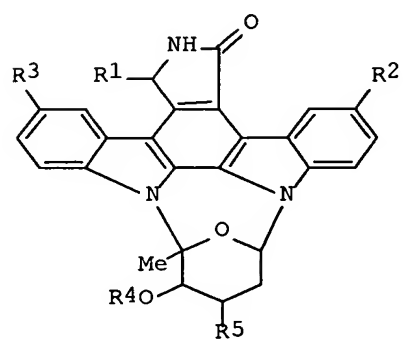
STN INTERNATIONAL LOGOFF AT 18:54:31 ON 12 DEC 2003

540/545

X date

L8 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:728849 CAPLUS
 DN 137:242161
 TI Apoptosis inducer
 IN Murakata, Isamu; Hara, Akinobu; Ishii, Toshihiko; Amishiro, Nobuyoshi
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002275068	A2	20020925	JP 2001-75357	20010316
PRAI	JP 2001-75357		20010316		
OS	MARPAT 137:242161				
GI					



I

AB Staurosporine derivs. or its pharmaceutical acceptable salts as active components of apoptosis inducers are offered. General structure I (R1 = H, hydroxy or low-grade alkoxy, R2 = H, low-grade alkyl, low-grade alkenyl, low-grade alkadienyl, low-grade alkynyl, aryl, complex ring group, halogen, nitro, formyl, COR6, NR11R12 or OR14, R4 = H or low-grade alkyl, R5 = NR11AR12A, R3 = R2 but R3, R2 .noteq. H at the same time) of staurosporine derivs. and their pharmaceutic acceptable salts as the active components of apoptosis inducers are presented.

IT **460348-72-5P 460348-73-6P 460348-74-7P**
460348-75-8P 460348-76-9P 460348-77-0P
460348-78-1P

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (apoptosis inducer as antitumor agent)

RN 460348-72-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-[2-(1H-
 imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)-, monomethanesulfonate (9CI) (CA INDEX NAME)

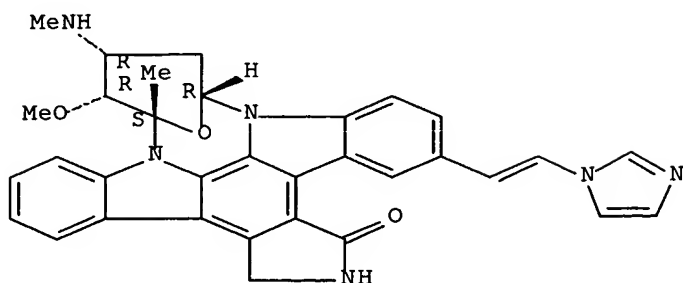
CM 1

CRN 320382-93-2

CMF C33 H30 N6 O3

Absolute stereochemistry.

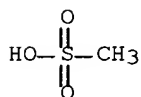
Double bond geometry unknown.



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 460348-73-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)-, 2-hydroxy-1,2,3-propanetricarboxylate (9CI) (CA

INDEX

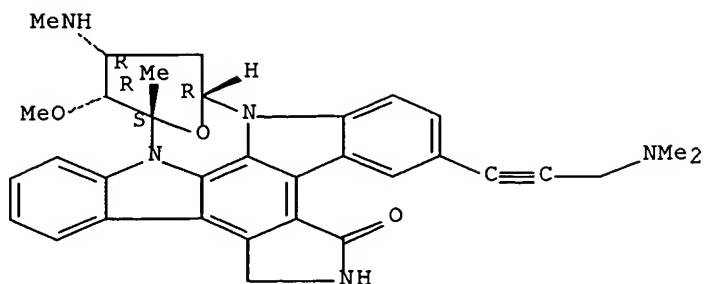
NAME)

CM 1

CRN 320382-79-4

CMF C33 H33 N5 O3

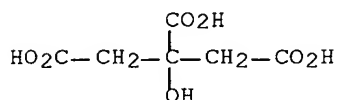
Absolute stereochemistry.



CM 2

CRN 77-92-9

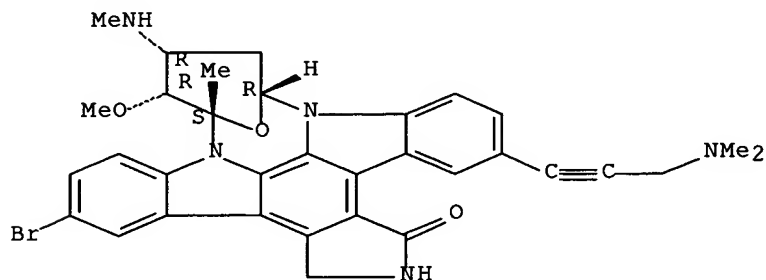
CMF C6 H8 O7



RN 460348-74-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5-bromo-17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

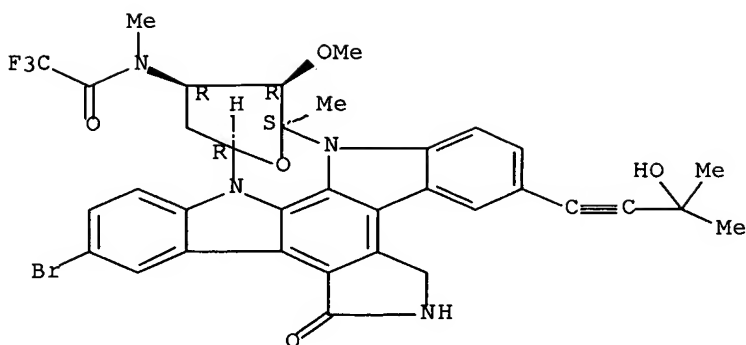
Absolute stereochemistry.



RN 460348-75-8 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-5-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

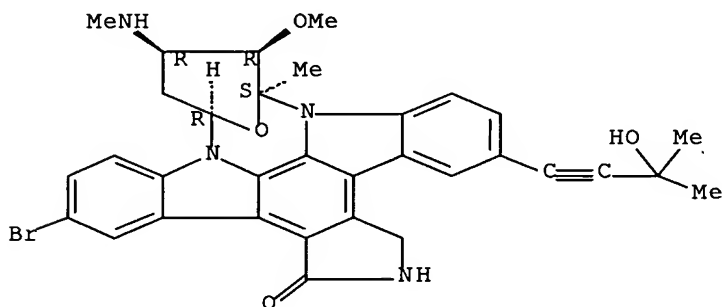
Absolute stereochemistry.



RN 460348-76-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-5-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

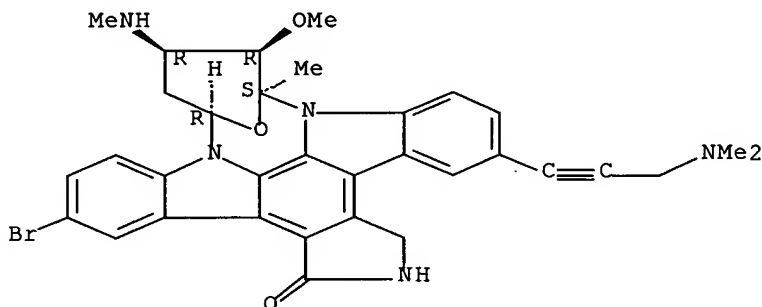
Absolute stereochemistry.



RN 460348-77-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-5-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

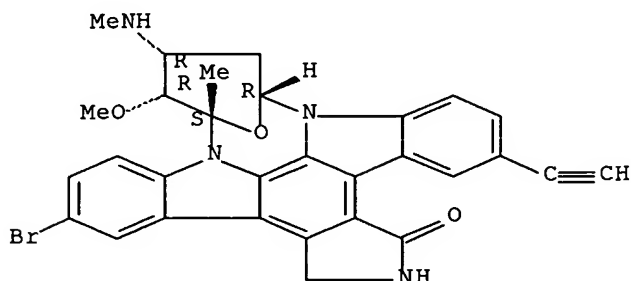


RN 460348-78-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

j][1,7]benzodiazonin-1-one, 5-bromo-17-ethynyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 320383-01-5 320383-43-5 320383-56-0
320383-67-3 320384-06-3 320384-08-5
320384-14-3

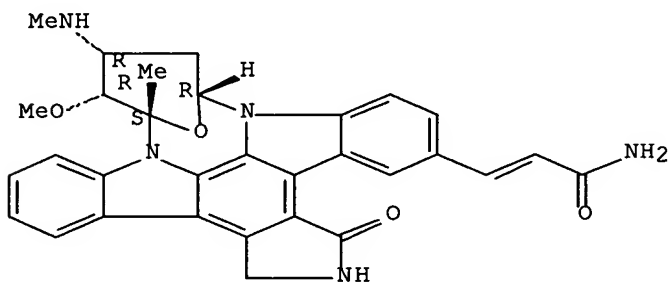
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(apoptosis inducer as antitumor agent)

RN 320383-01-5 CAPLUS

CN 2-Propenamide, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

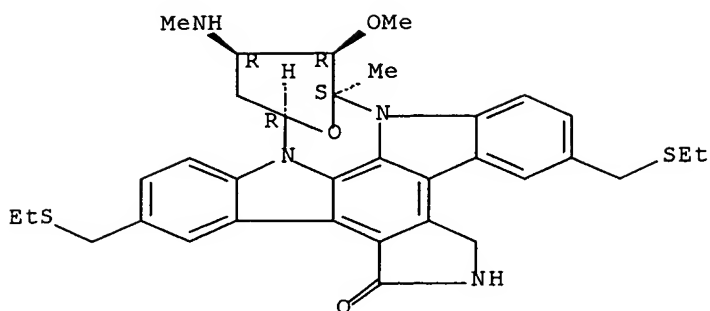
Double bond geometry unknown.



RN 320383-43-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

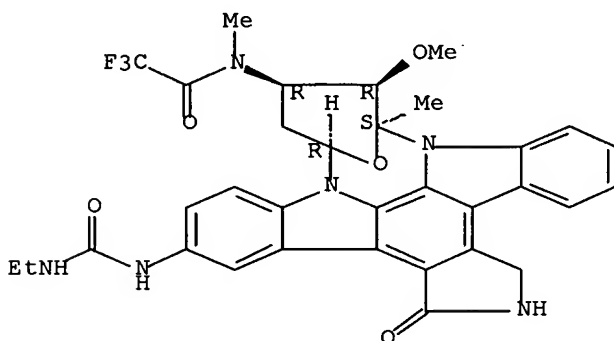
Absolute stereochemistry.



RN 320383-56-0 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[[(ethylamino)carbonyl]amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

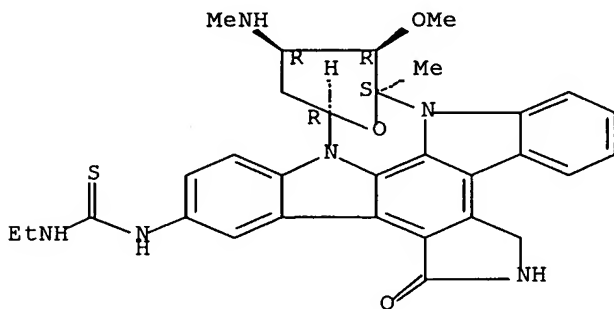
Absolute stereochemistry.



RN 320383-67-3 CAPLUS

CN Thiourea, N'-ethyl-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

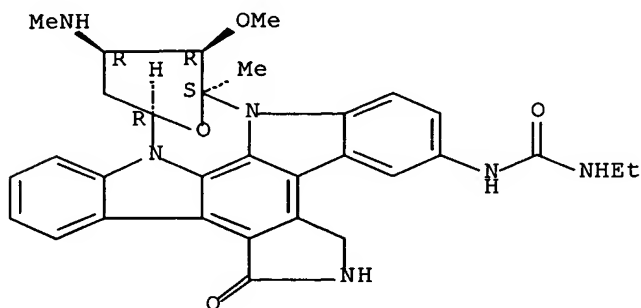
Absolute stereochemistry.



RN 320384-06-3 CAPLUS

CN Urea, N-ethyl-N'-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

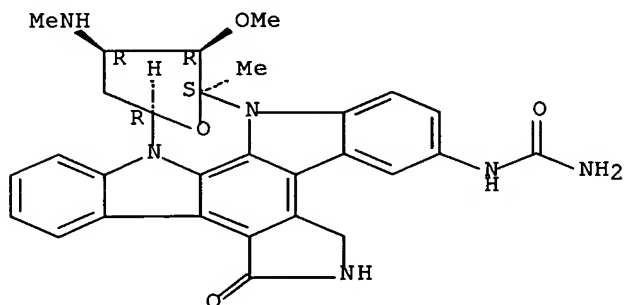
Absolute stereochemistry.



RN 320384-08-5 CAPLUS

CN Urea, [(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

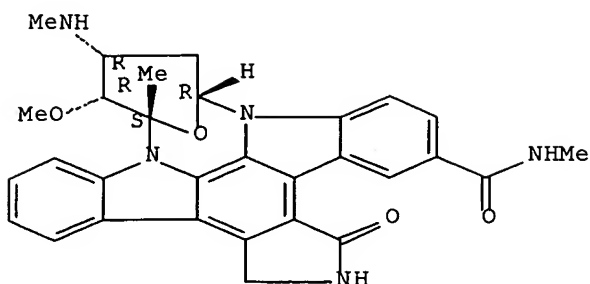
Absolute stereochemistry.



RN 320384-14-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-N,13-dimethyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



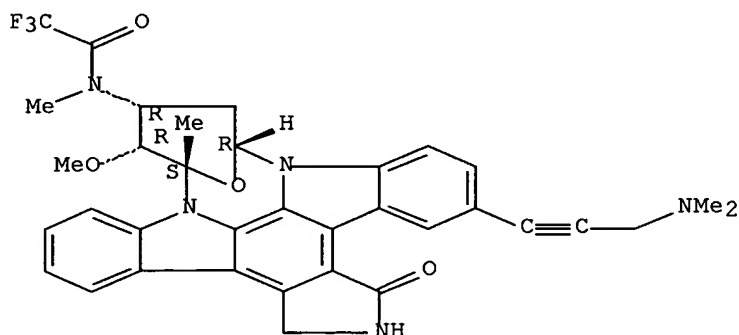
IT 320382-78-3 320382-79-4 320382-93-2
320384-57-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(apoptosis inducer as antitumor agent)

RN 320382-78-3 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

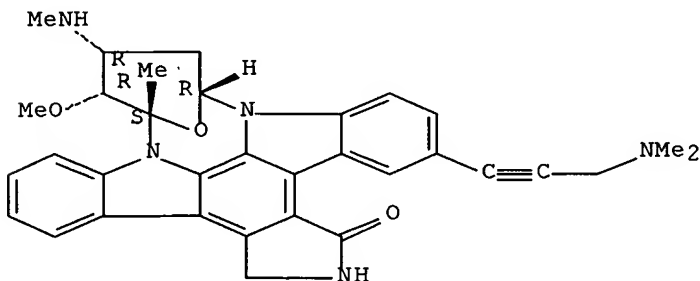
Absolute stereochemistry.



RN 320382-79-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

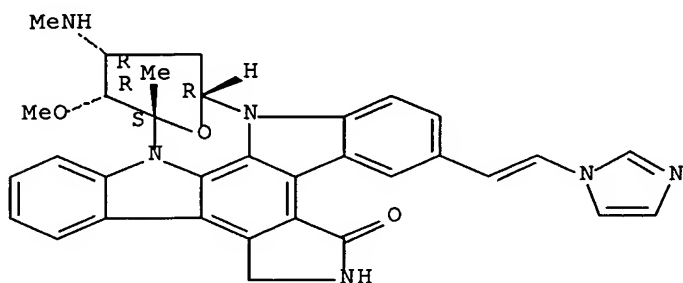
Absolute stereochemistry.



RN 320382-93-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-[2-(1H-imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)-(9CI)
(CA INDEX NAME)

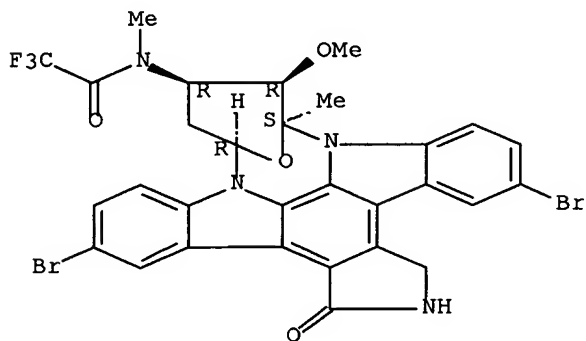
Absolute stereochemistry.
Double bond geometry unknown.



RN 320384-57-4 CAPLUS

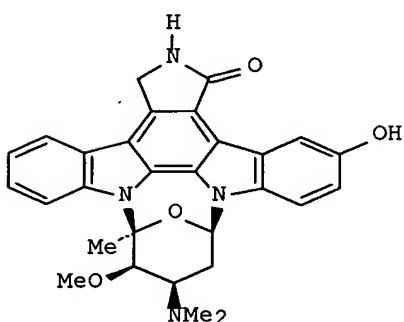
CN Acetamide, N-[(9S,10R,11R,13R)-5,17-dibromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



x date

L8 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:106533 CAPLUS
 DN 136:276287
 TI Further new staurosporine derivatives from the ascidian *Eudistoma toealensis* and its predatory flatworm *Pseudoceros* sp.
 AU Schupp, Peter; Proksch, Peter; Wray, Victor
 CS University of New South Wales, Centre for Marine Biofouling and Bio-Innovation, Sydney, 2052, Australia
 SO Journal of Natural Products (2002), 65(3), 295-298
 CODEN: JNPRDF; ISSN: 0163-3864
 PB American Chemical Society
 DT Journal
 LA English
 GI



I

AB Three new indolocarbazole alkaloids, 3-hydroxy-4'-N-methylstaurosporine (e.g. I), 3-hydroxy-4'-N-demethylstaurosporine, and 3'-demethoxy-3'-hydroxy-4'-N-demethylstaurosporine, were isolated from the marine ascidian *Eudistoma toealensis* and its predatory flatworm *Pseudoceros* sp. in addn. to two known staurosporines. The structures were detd. by 1D

and

2D homonuclear and 1H-detected heteronuclear NMR spectroscopy and from comparisons with published data. CD measurements for these five staurosporine derivs., as well as the previously described seven staurosporines, are reported, confirming that all derivs. possess the 2'S,3'R,4'R,6'R configuration.

IT **272766-45-7 320384-51-8 399031-45-9**

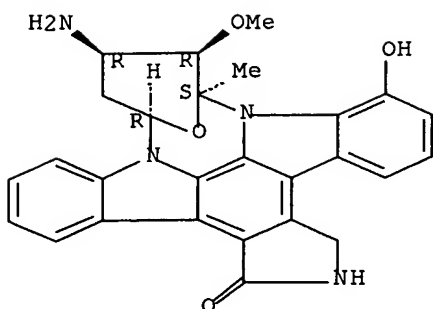
RL: PRP (Properties)
 (CD measurements of)

RN 272766-45-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-hydroxy-

10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

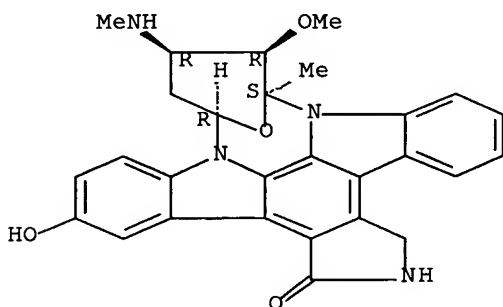
Absolute stereochemistry.



RN 320384-51-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

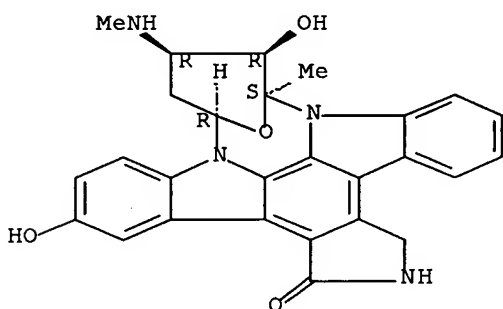
Absolute stereochemistry.



RN 399031-45-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10,17-dihydroxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

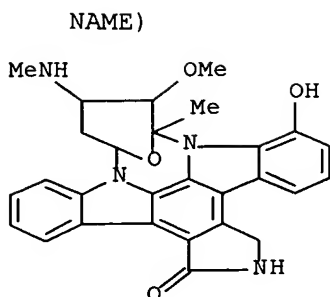


IT **143682-17-1**, 11-Hydroxystaurosporine

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(from ascidian Eudistoma toaealensis and its predatory flatworm
Pseudoceros sp.)

RN 143682-17-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)



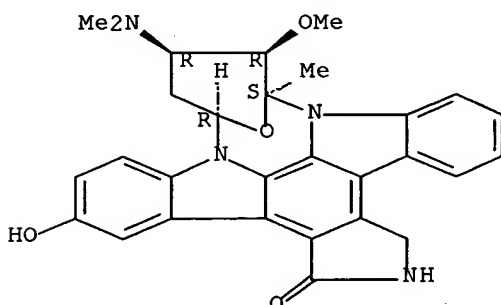
IT 399031-46-0P 406703-29-5P

RL: NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation) (from ascidian *Eudistoma toealensis* and its predatory flatworm *Pseudoceros* sp.)

RN 399031-46-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-(dimethylamino)-2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

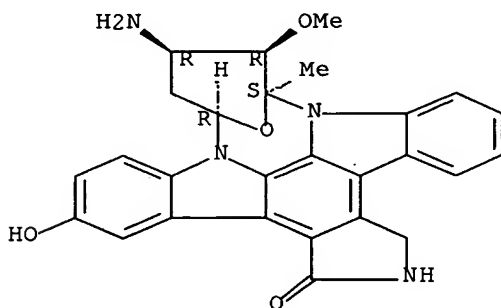
Absolute stereochemistry.



RN 406703-29-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

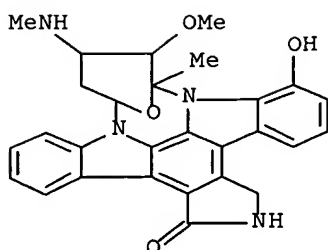
Absolute stereochemistry.



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

X date

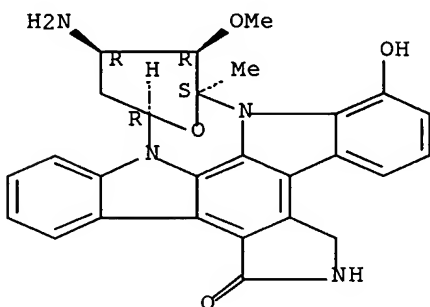
L8 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:794768 CAPLUS
 DN 136:177460
 TI Anti-proliferative effects of new staurosporine derivatives isolated
 from
 a marine ascidian and its predatory flatworm
 AU Schupp, P.; Steube, K.; Meyer, C.; Proksch, P.
 CS Center for Marine Biofouling and Bio-Innovation, University of New South
 Wales, Sydney, 2052, Australia
 SO Cancer Letters (Shannon, Ireland) (2001), 174(2), 165-172
 CODEN: CALEDQ; ISSN: 0304-3835
 PB Elsevier Science Ireland Ltd.
 DT Journal
 LA English
 AB Nine indolocarbazole alkaloids of the staurosporine type, including
 three
 new derivs., were evaluated for their potential as inhibitors of cell
 proliferation and macromol. synthesis. Four derivs. were tested as
 inhibitors of cell proliferation with twelve human leukemia cell lines
 and
 demonstrated powerful antiproliferative activities, with
 3-hydroxystaurosporine being the most potent. IC50 values were detd.
 using the cell line MONO-MAC-6 and with an IC50 of 13 ng/mL,
 3-hydroxystaurosporine turned out to be one of the most active
 staurosporine-type inhibitors described so far. All derivs., except
 3-hydroxy-3'-demethoxy-3'-hydroxystaurosporine and 4'-N-
 methylstaurosporine very strongly reduced RNA and DNA synthesis with
 3-hydroxystaurosporine again being the strongest inhibitor. Anal. of
 structure-activity relationships demonstrated that hydroxylation of
 staurosporine at position 3 of the indolocarbazole moiety caused an
 increase in anti-proliferative activity, while hydroxylation at carbon
 11
 resulted in a decrease in activity. Our results suggest that not only
 the
 presence or absence of hydrophilic substitutions, but also the position
 of
 the alteration within the mol., is important in the antiproliferative
 properties of the various staurosporine analogs.
 IT **143682-17-1, 11-Hydroxystaurosporine 272766-45-7**
320384-51-8 399031-45-9 399031-46-0
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (antitumor structure activity relationship of staurosporine derivs.
 isolated from a marine ascidian and predatory flatworm)
 RN 143682-17-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-
 methoxy-
 9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)



RN 272766-45-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

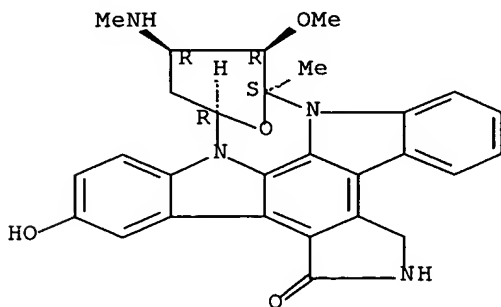
Absolute stereochemistry.



RN 320384-51-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

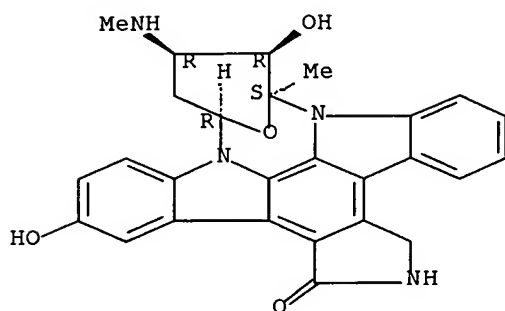
Absolute stereochemistry.



RN 399031-45-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10,17-dihydroxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

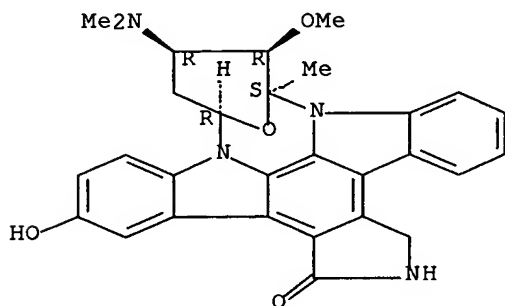


RN 399031-46-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-(dimethylamino)-2,3,10,11,12,13-hexahydro-

17-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

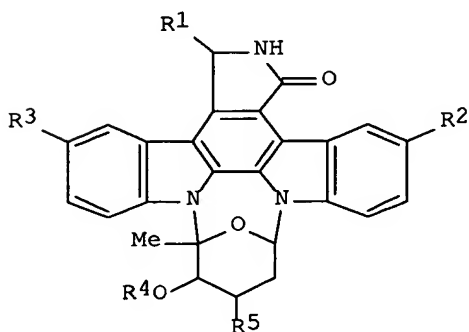


RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

App 15

L8 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:50652 CAPLUS
 DN 134:116112
 TI Preparation of staurosporin derivatives as antitumor agents
 IN Kanai, Fumihiko; Amishiro, Nobuyoshi; Kitamura, Yushi; Murakata, Chikara;
 Akiyama, Tadakazu; Akinaga, Shiro; Fuse, Eiichi; Kuwabara, Takashi; Yasoshima, Kenichi
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO PCT Int. Appl., 190 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001004125	A1	20010118	WO 2000-JP4702	20000713
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	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1201668	A1	20020502	EP 2000-946296	20000713
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	JP 1999-198393	A	19990713		
	WO 2000-JP4702	W	20000713		
OS	MARPAT 134:116112				
GI					



I

AB The title compds. I [R1 is hydrogen, hydroxyl, or lower alkoxy; R2 and
 R3
 are each independently hydrogen, substituted or unsubstituted lower
 alkyl,
 substituted or unsubstituted lower alkenyl, substituted or unsubstituted

lower alkynyl, substituted or unsubstituted aryl, a substituted or unsubstituted heterocyclic group, halogeno, nitro, formyl, or the like;

R4

is hydrogen or the like; and R5 is NR₁₁AR₁₂A (wherein R₁₁A and R₁₂A are each hydrogen, substituted or unsubstituted lower alkyl, or the like), a proviso is given] are prepd. Compds. of this invention in vitro showed IC₅₀ values of 0.0051 .mu.mol/L to 0.19 .mu.mol/L against lung cancer cells A-449. I also increase the activity of antitumor agents.

Formulations are given.

IT

320382-30-7P 320382-31-8P 320382-32-9P
320382-33-0P 320382-34-1P 320382-35-2P
320382-36-3P 320382-37-4P 320382-38-5P
320382-39-6P 320382-40-9P 320382-41-0P
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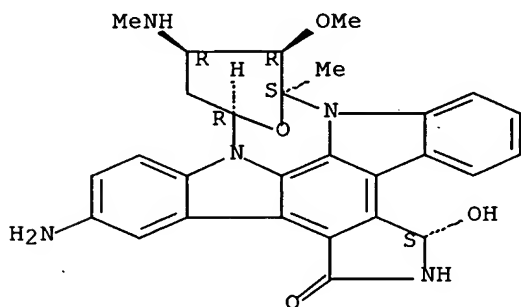
RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of staurosporin derivs. as antitumor agents)

RN 320382-30-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

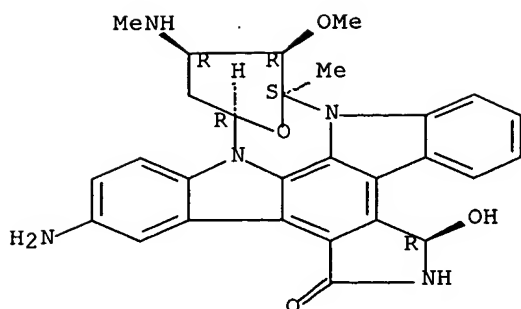
Absolute stereochemistry.



RN 320382-31-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

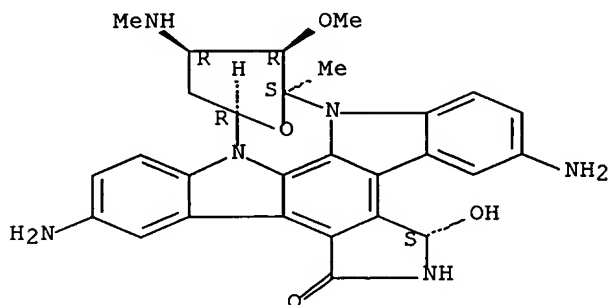


RN 320382-32-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-
(9CI)

(CA INDEX NAME)

Absolute stereochemistry.

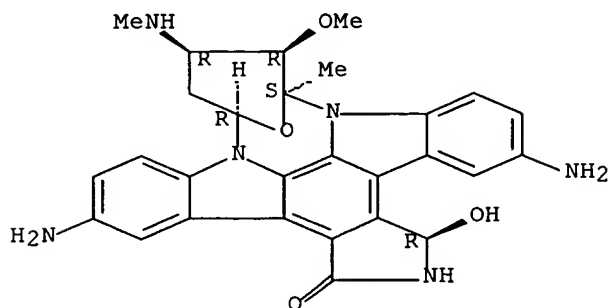


RN 320382-33-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-
(9CI)

(CA INDEX NAME)

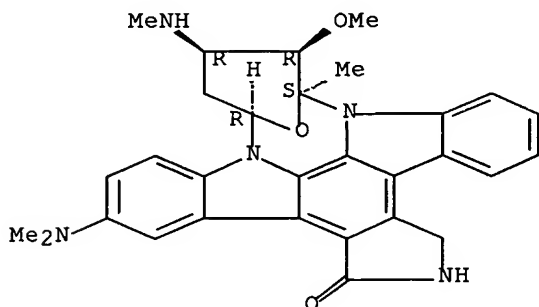
Absolute stereochemistry.



RN 320382-34-1 CAPLUS

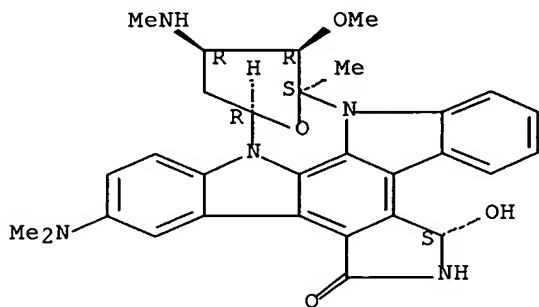
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



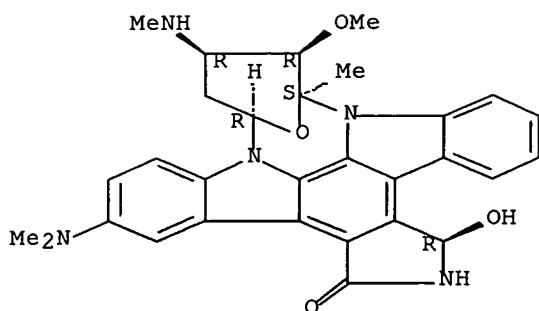
RN 320382-35-2 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-36-3 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

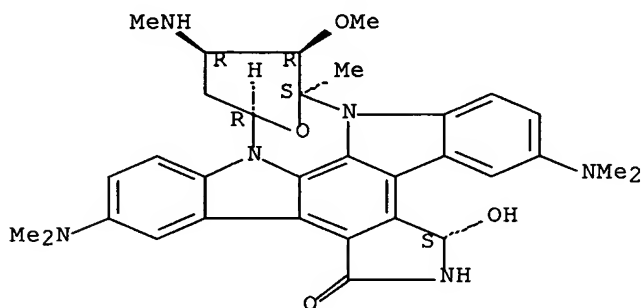
Absolute stereochemistry.



RN 320382-37-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

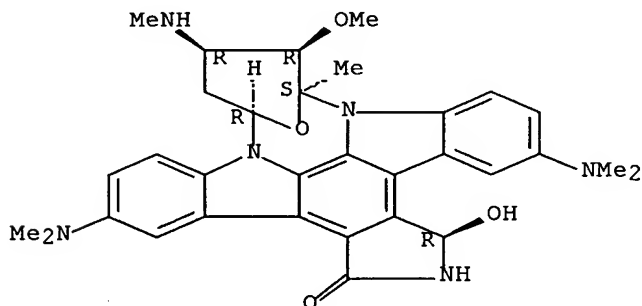
Absolute stereochemistry.



RN 320382-38-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

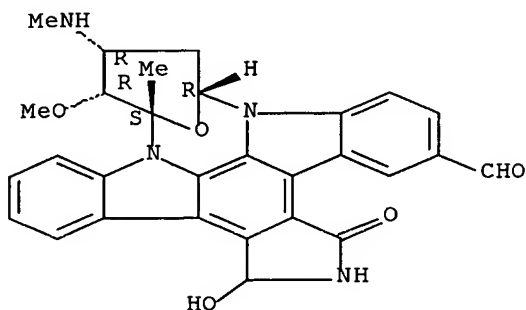


RN 320382-39-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-1-

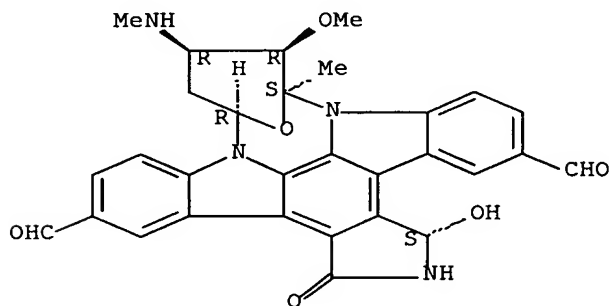
hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



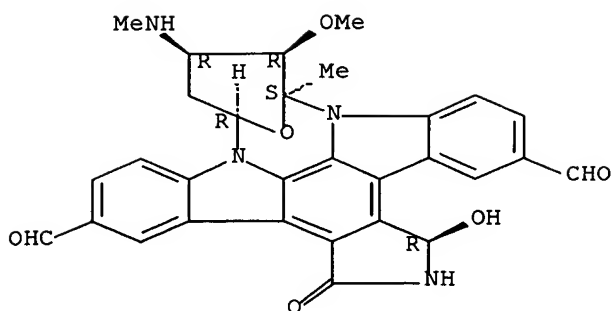
RN 320382-40-9 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (3S,9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-41-0 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (3R,9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

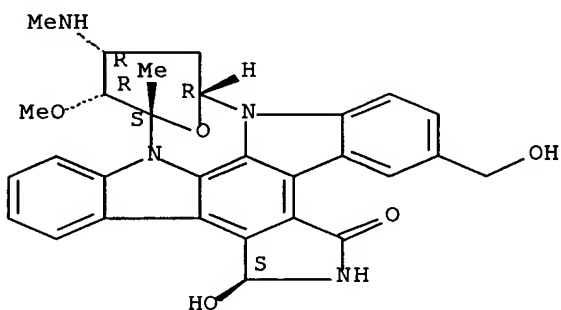
Absolute stereochemistry.



RN 320382-42-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

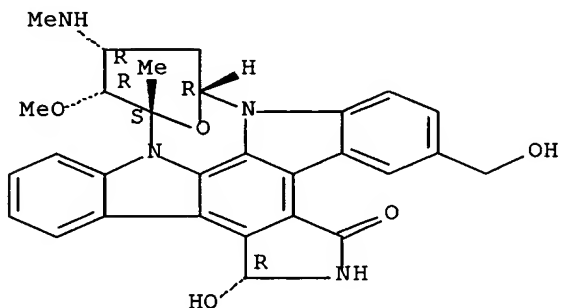
Absolute stereochemistry.



RN 320382-43-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

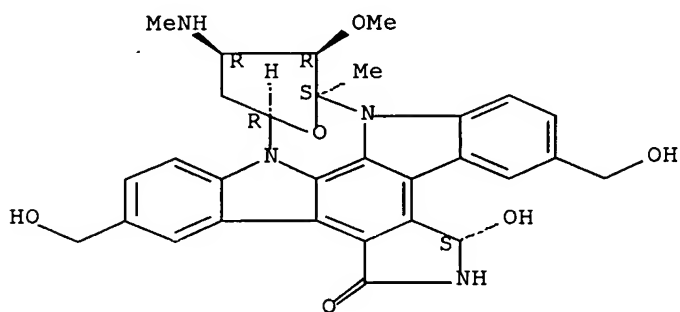


RN 320382-44-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-

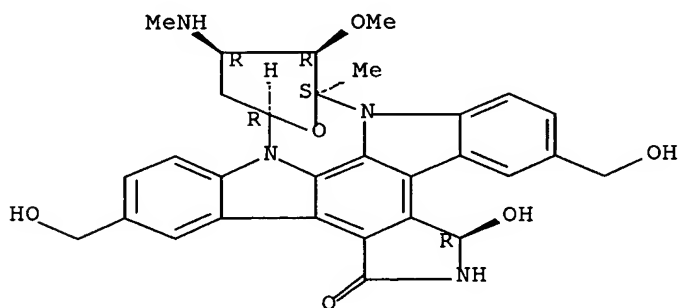
bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-,
(3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



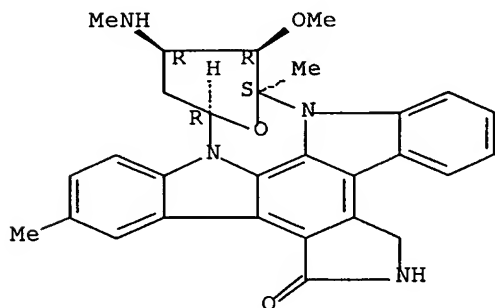
RN 320382-45-4 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



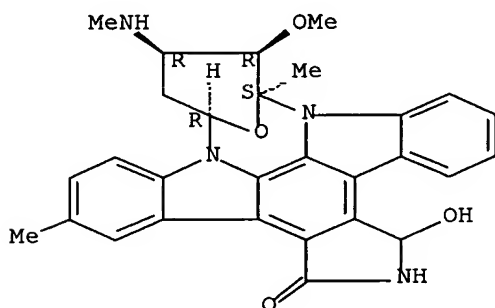
RN 320382-46-5 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9,17-dimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



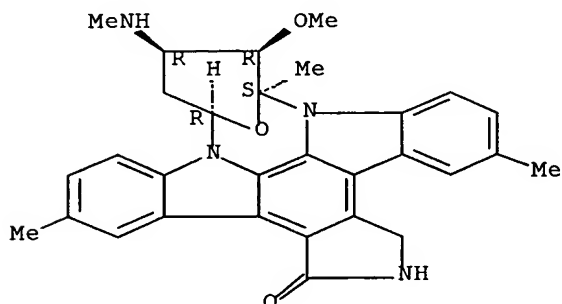
RN 320382-47-6 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9,17-dimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



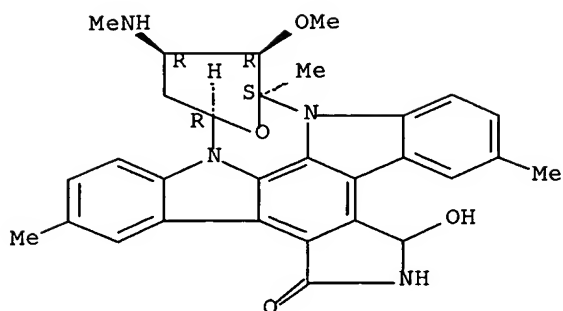
RN 320382-48-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-5,9,17-trimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-49-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,9,17-trimethyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

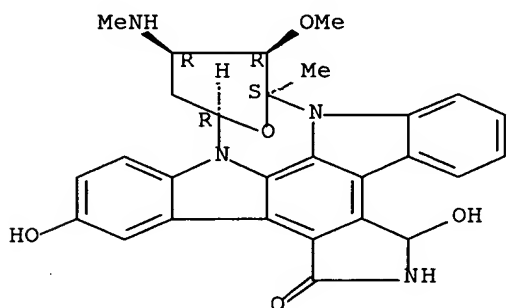
Absolute stereochemistry.



RN 320382-50-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

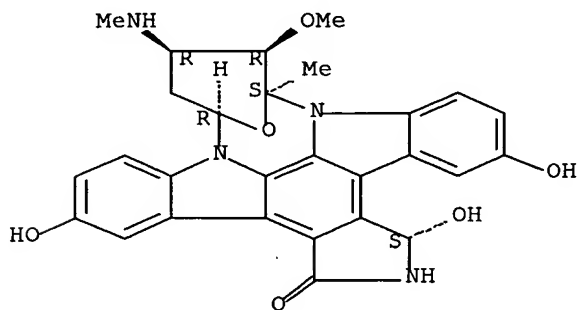
Absolute stereochemistry.



RN 320382-51-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,5,17-trihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

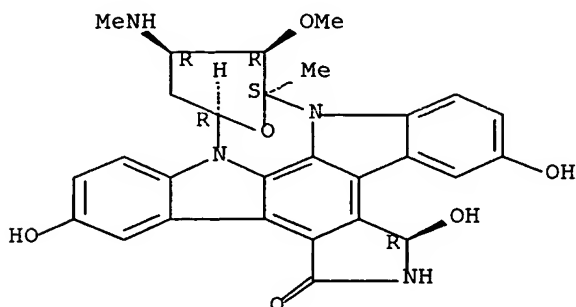
Absolute stereochemistry.



RN 320382-52-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3,5,17-trihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

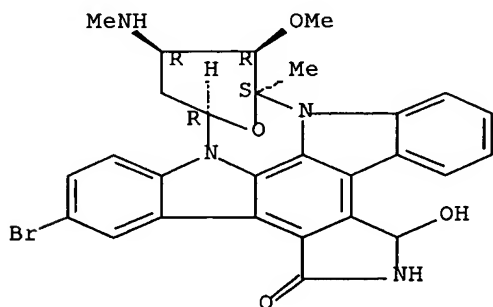
Absolute stereochemistry.



RN 320382-53-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

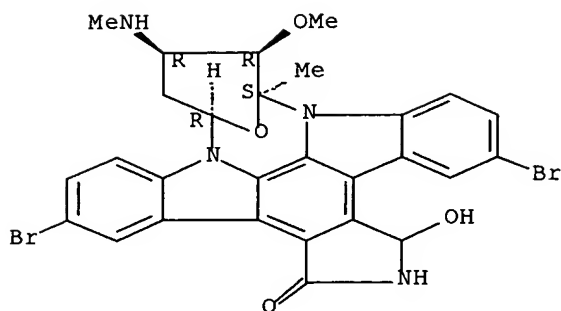
Absolute stereochemistry.



RN 320382-54-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-dibromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



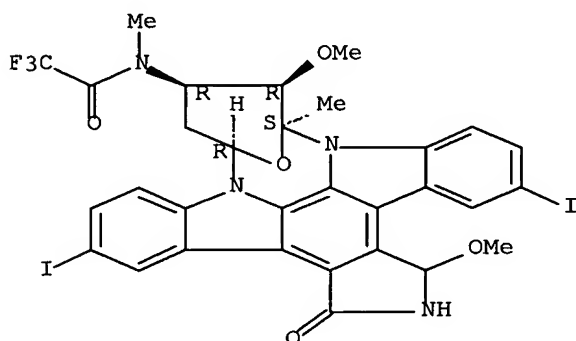
RN 320382-55-6 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-

5,17-diiodo-3,10-dimethoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-

gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
(CA INDEX NAME)

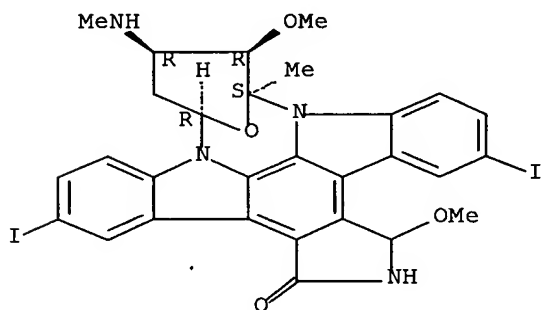
Absolute stereochemistry.



RN 320382-56-7 CAPLUS

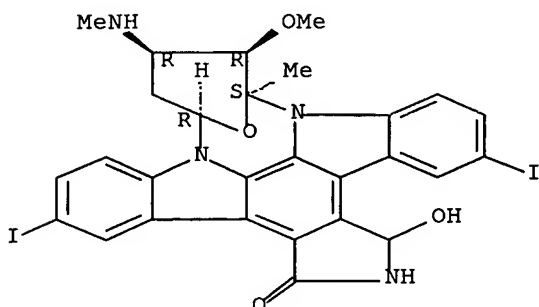
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-diiodo-3,10-dimethoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



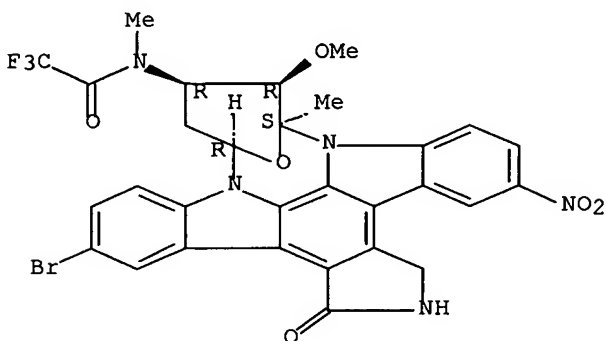
RN 320382-57-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-5,17-diiodo-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



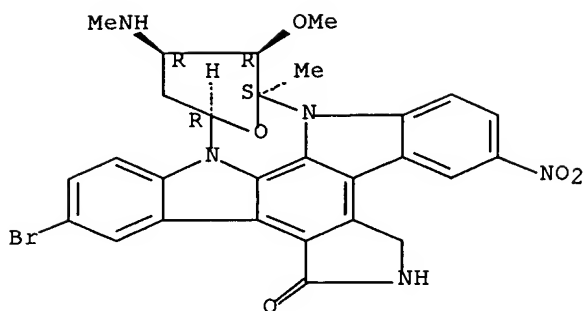
RN 320382-58-9 CAPLUS
 CN Acetamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-59-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-5-nitro-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-60-3 CAPLUS

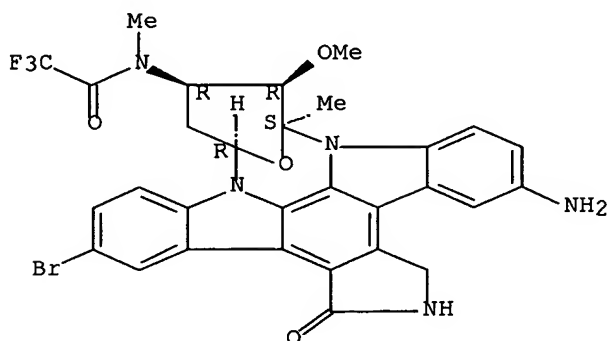
CN Acetamide, N-[(9S,10R,11R,13R)-5-amino-17-bromo-2,3,10,11,12,13-hexahydro-

10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI)

(CA INDEX NAME)

Absolute stereochemistry.



RN 320382-61-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-

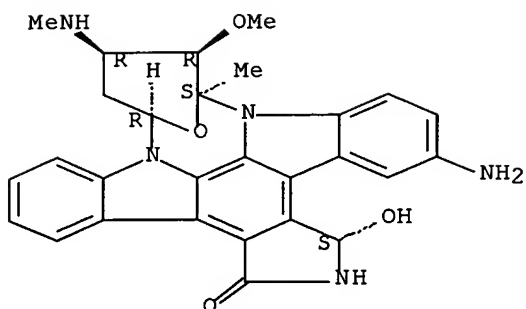
10-

methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA

INDEX

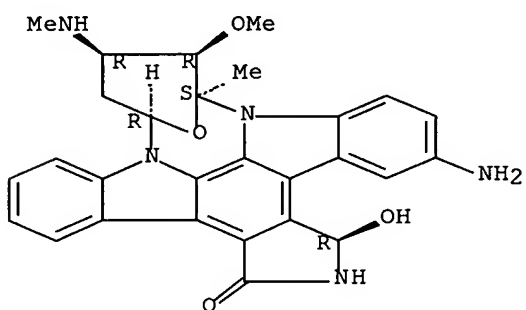
NAME)

Absolute stereochemistry.



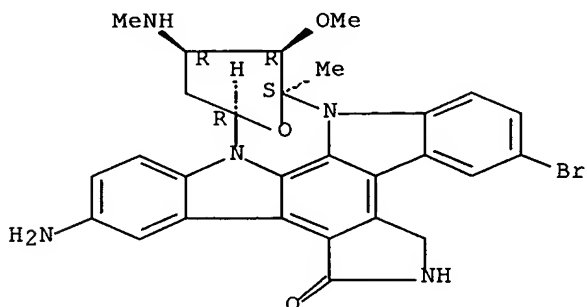
RN 320382-62-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5-amino-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-63-6 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-5-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

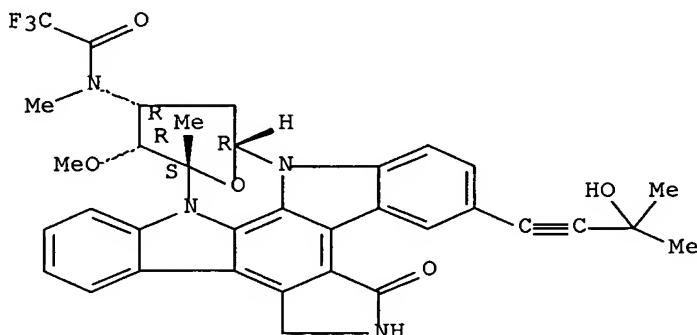


RN 320382-64-7 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-

17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

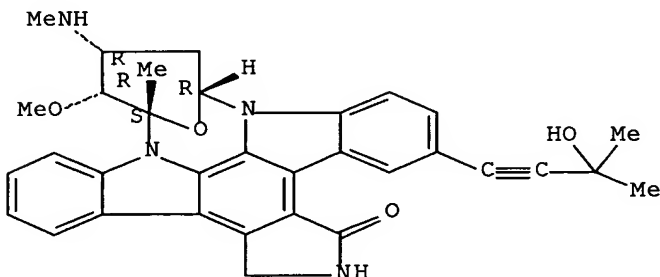
Absolute stereochemistry.



RN 320382-65-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

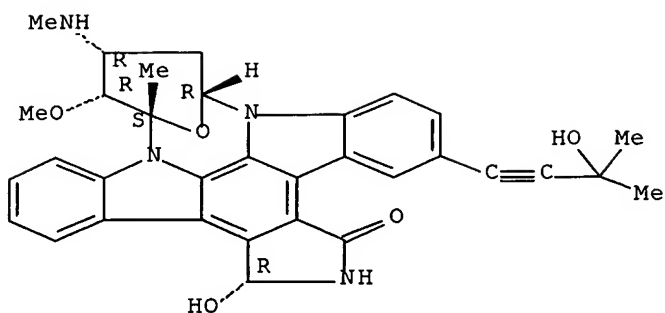
Absolute stereochemistry.



RN 320382-66-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

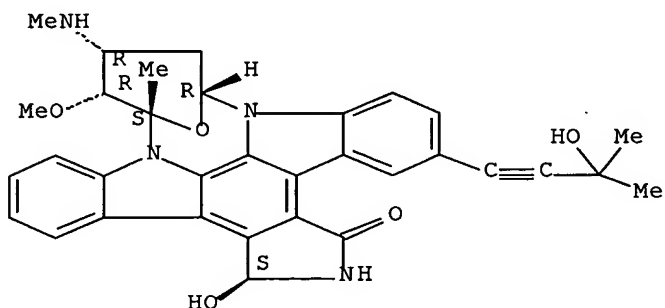
Absolute stereochemistry.



RN 320382-67-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(3-hydroxy-3-methyl-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

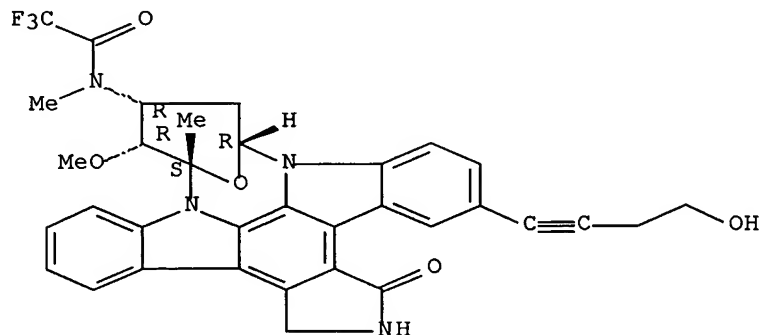
Absolute stereochemistry.



RN 320382-68-1 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-17-(4-hydroxy-1-butynyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

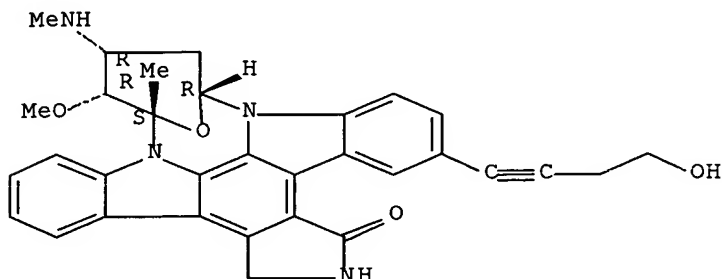
Absolute stereochemistry.



RN 320382-69-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-(4-hydroxy-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
(CA INDEX NAME)

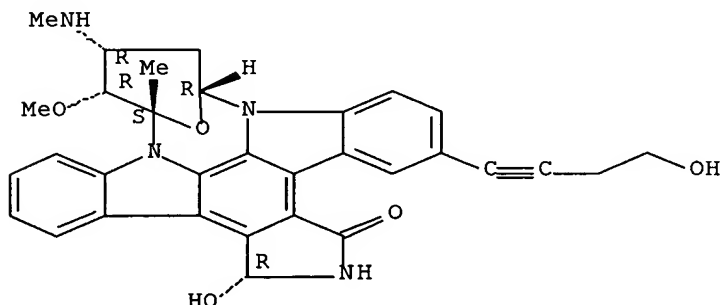
Absolute stereochemistry.



RN 320382-70-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(4-hydroxy-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

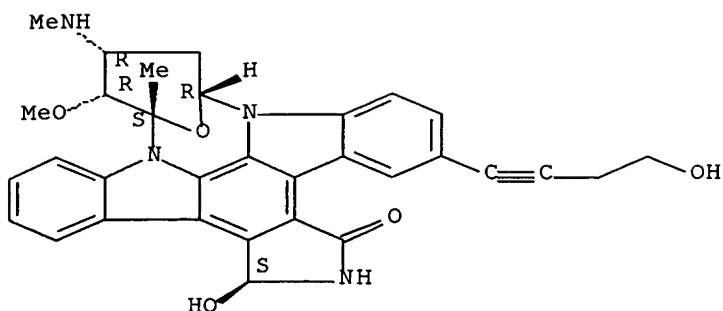
Absolute stereochemistry.



RN 320382-71-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-(4-hydroxy-1-butynyl)-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



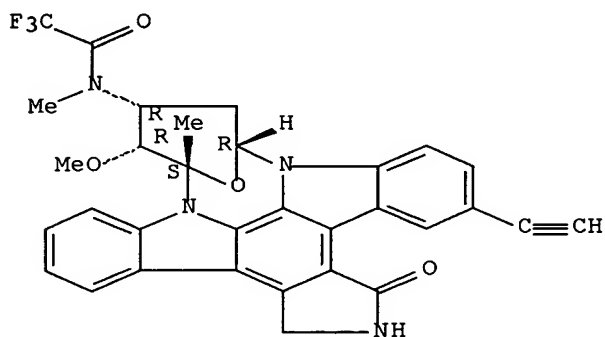
RN 320382-72-7 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-ethynyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI)

(CA INDEX NAME)

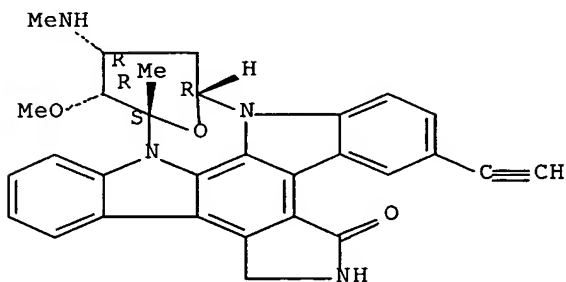
Absolute stereochemistry.



RN 320382-73-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-ethynyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

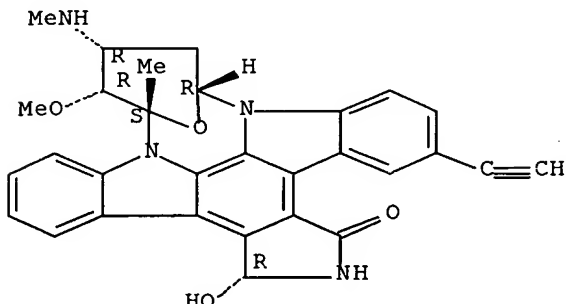


RN 320382-74-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

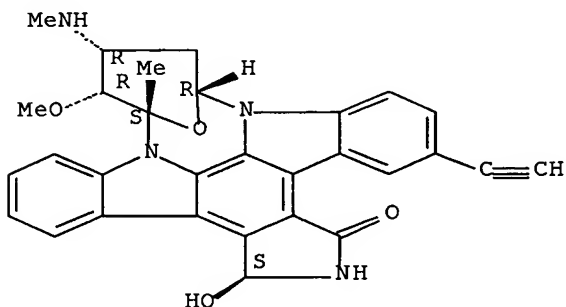
j][1,7]benzodiazonin-1-one, 17-ethynyl-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



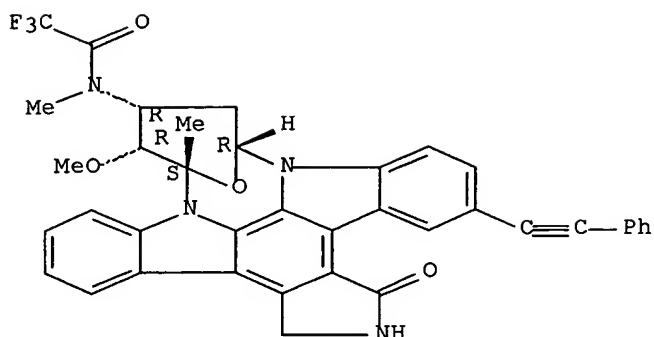
RN 320382-75-0 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-ethynyl-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-76-1 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-(phenylethynyl)-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

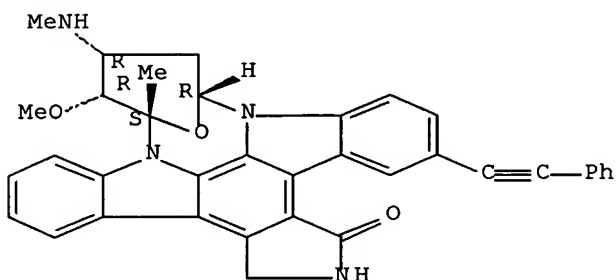


RN 320382-77-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-

11-(methylamino)-17-(phenylethynyl)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

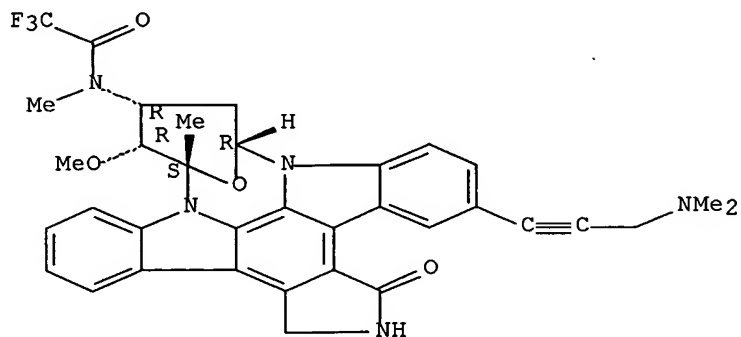
Absolute stereochemistry.



RN 320382-78-3 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

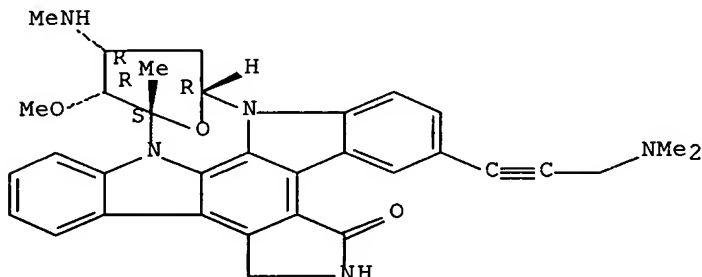
Absolute stereochemistry.



RN 320382-79-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

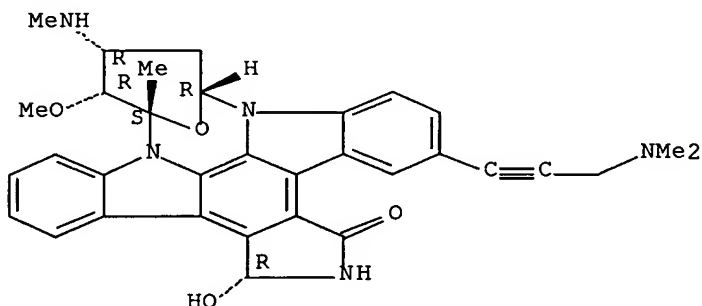
Absolute stereochemistry.



RN 320382-80-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

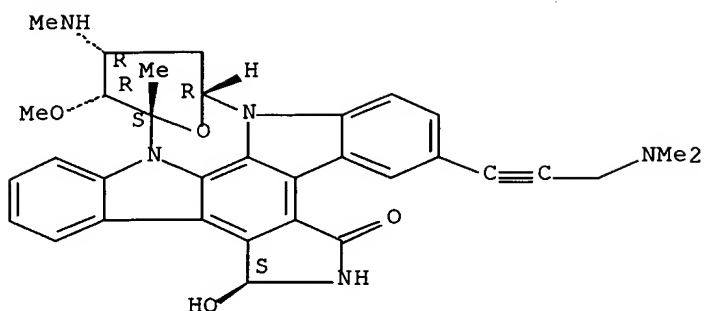
Absolute stereochemistry.



RN 320382-81-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[3-(dimethylamino)-1-propynyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

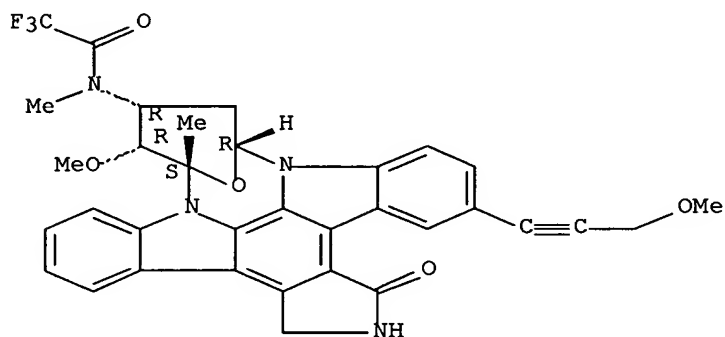
Absolute stereochemistry.



RN 320382-82-9 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-17-(3-methoxy-1-propynyl)-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

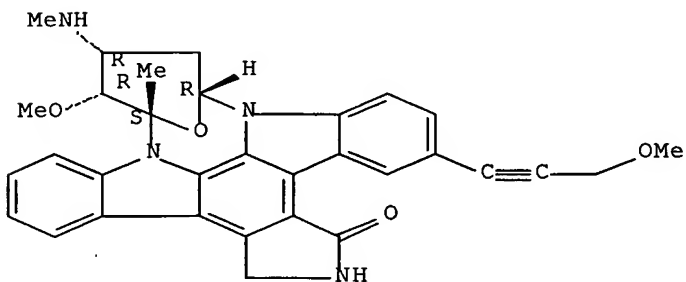
Absolute stereochemistry.



RN 320382-83-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-17-(3-methoxy-1-propynyl)-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320382-84-1 CAPLUS

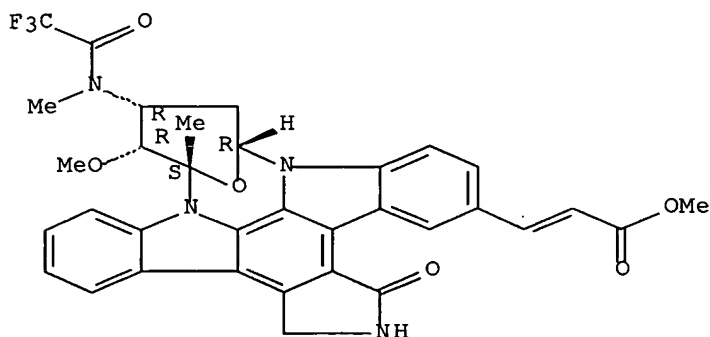
CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-

methoxy-

13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



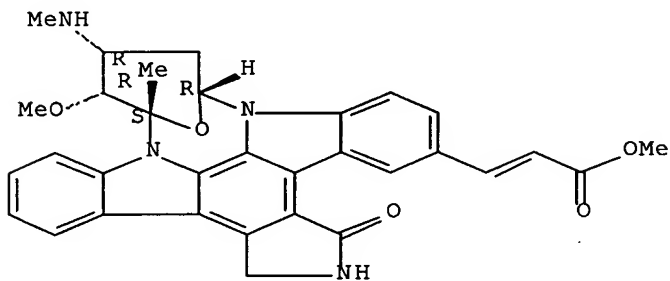
RN 320382-85-2 CAPLUS

CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, methyl ester (9CI)

(CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



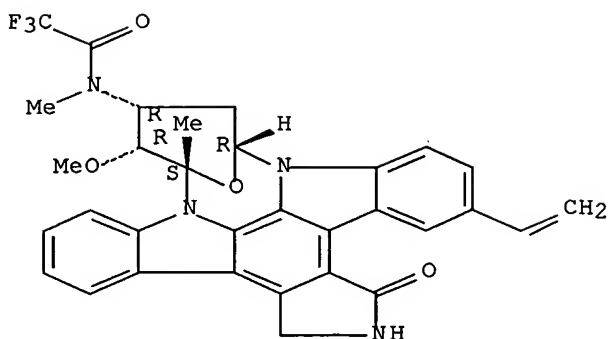
RN 320382-86-3 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-ethenyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI)

(CA INDEX NAME)

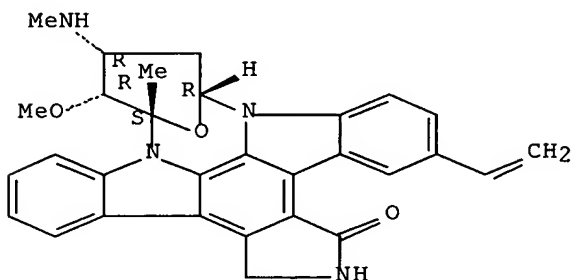
Absolute stereochemistry.



RN 320382-87-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-ethenyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

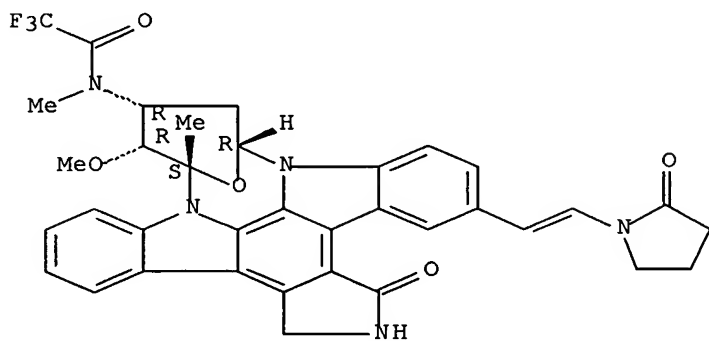


RN 320382-88-5 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[2-(2-oxo-1-pyrrolidinyl)ethenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

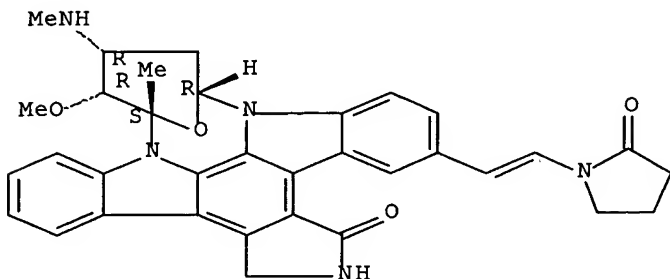
Absolute stereochemistry.

Double bond geometry unknown.



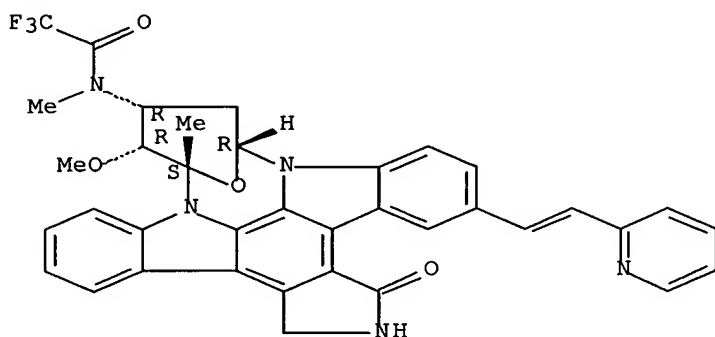
RN 320382-89-6 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(2-oxo-1-pyrrolidinyl)ethenyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



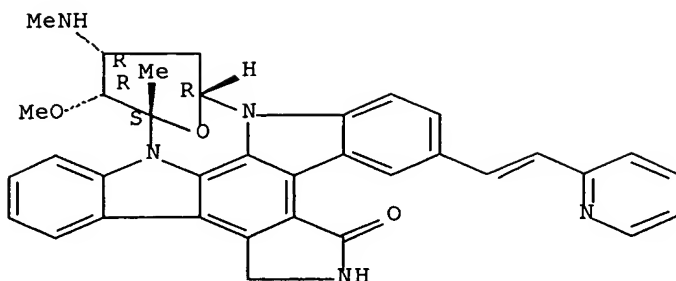
RN 320382-90-9 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[2-(2-pyridinyl)ethenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



RN 320382-91-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(2-pyridinyl)ethenyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.

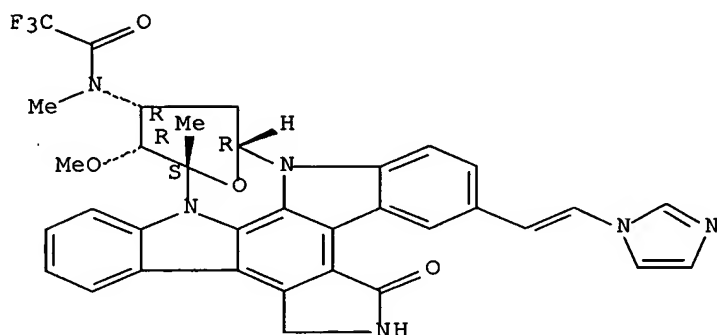


RN 320382-92-1 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-17-[2-(1H-imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

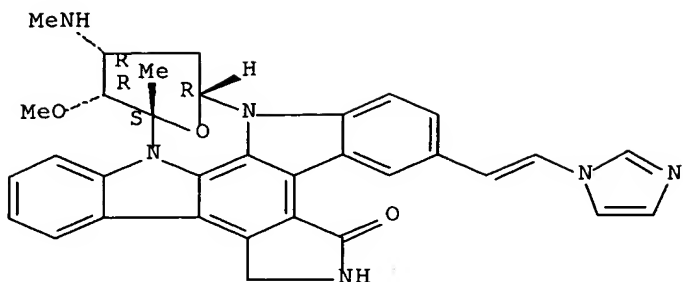


RN 320382-93-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-[2-(1H-imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

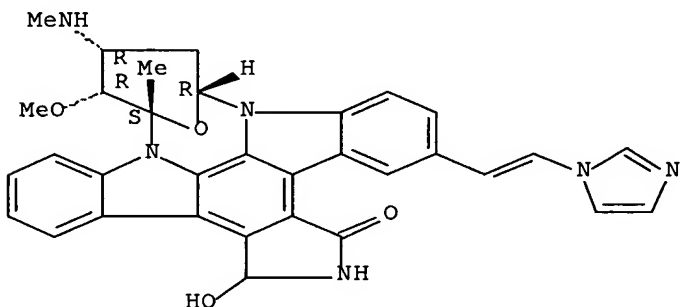


RN 320382-94-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-17-[2-(1H-imidazol-1-yl)ethenyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

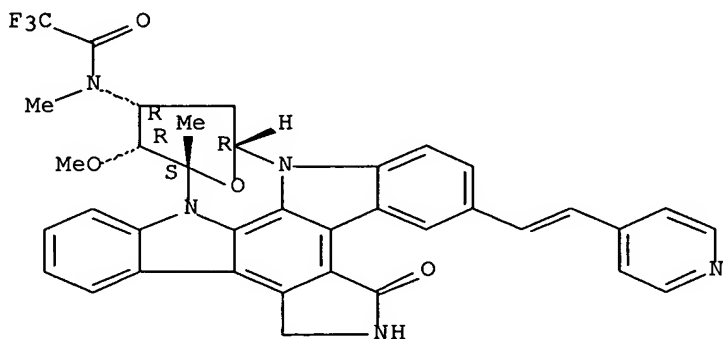


RN 320382-95-4 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[2-(4-pyridinyl)ethenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

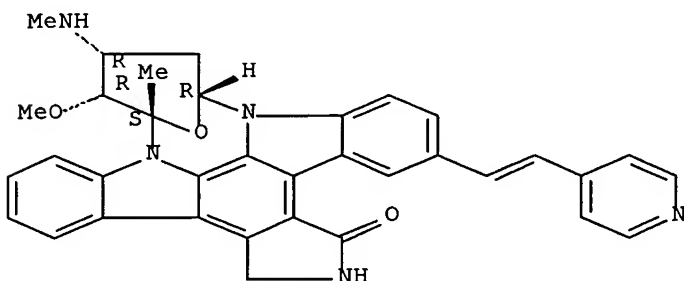
Absolute stereochemistry.

Double bond geometry unknown.



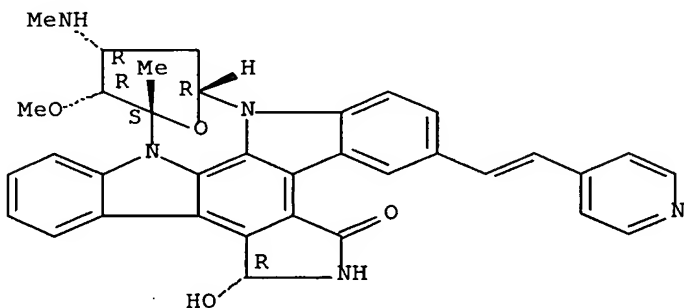
RN 320382-96-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-pyridinyl)ethenyl]-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



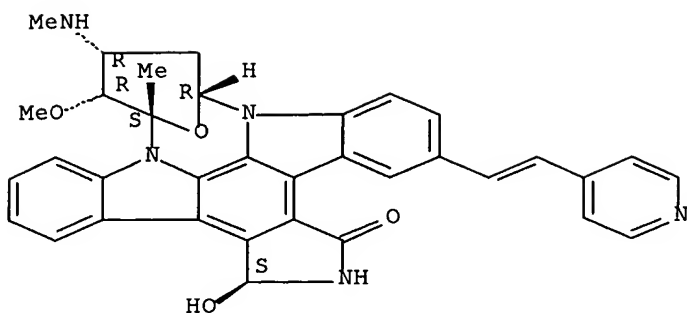
RN 320382-97-6 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-pyridinyl)ethenyl]-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



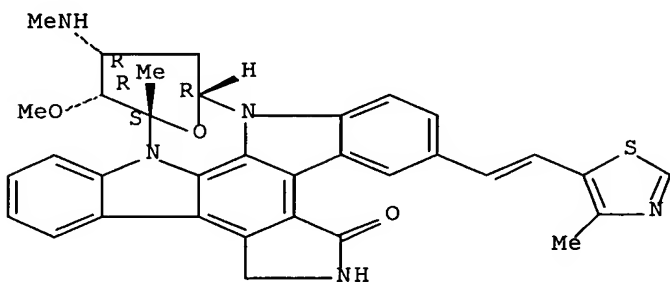
RN 320382-98-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-pyridinyl)ethenyl]-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



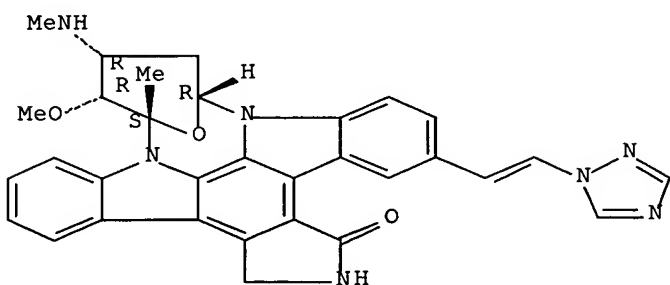
RN 320382-99-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(4-methyl-5-thiazolyl)ethenyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



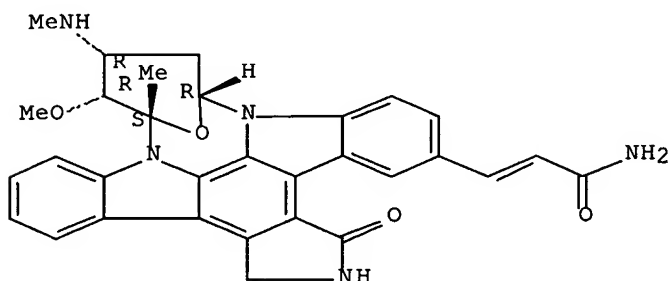
RN 320383-00-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(1H-1,2,4-triazol-1-yl)ethenyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



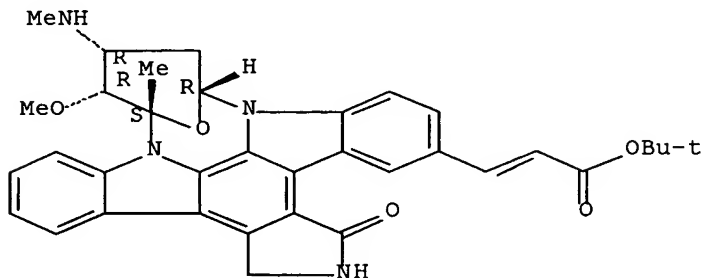
RN 320383-01-5 CAPLUS
 CN 2-Propenamide, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



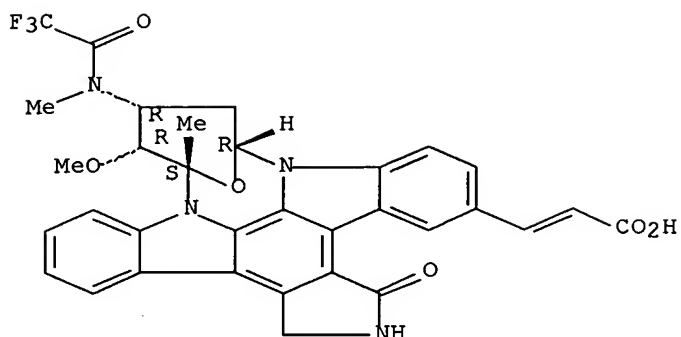
RN 320383-02-6 CAPLUS
 CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



RN 320383-03-7 CAPLUS
 CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

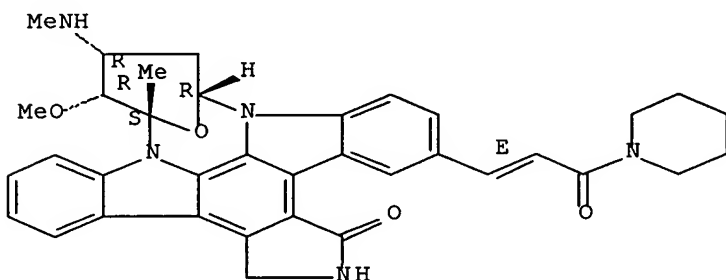
Absolute stereochemistry.
 Double bond geometry unknown.



RN 320383-04-8 CAPLUS

CN Piperidine, 1-[(2E)-3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-1-oxo-2-propenyl]-(9CI) (CA INDEX NAME)

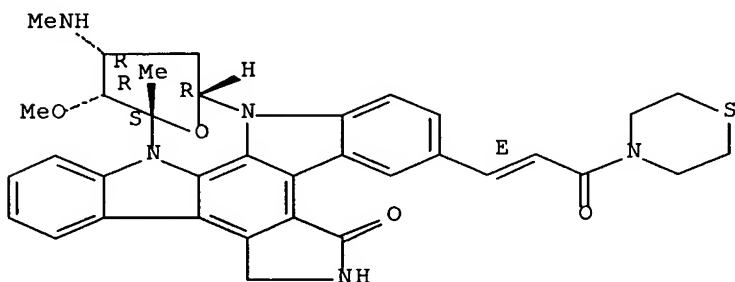
Absolute stereochemistry.
Double bond geometry as shown.



RN 320383-05-9 CAPLUS

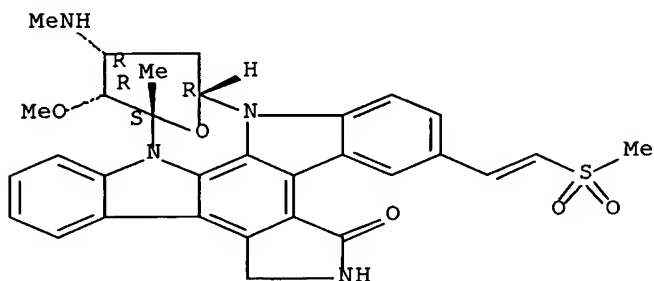
CN Thiomorpholine, 4-[(2E)-3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-1-oxo-2-propenyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



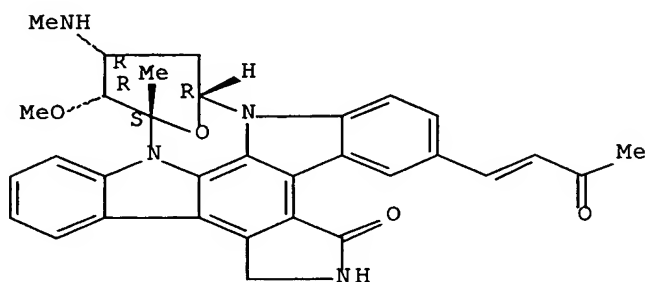
RN 320383-06-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(methylsulfonyl)ethenyl]-, (9S,10R,11R,13R)-(9CI)
 (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



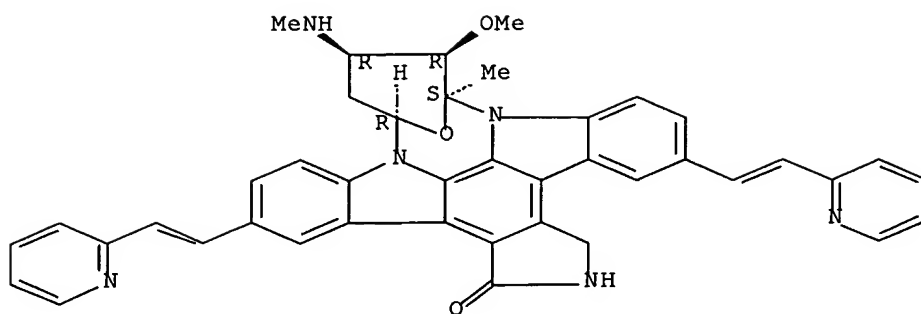
RN 320383-07-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-(3-oxo-1-butenyl)-, (9S,10R,11R,13R)-(9CI)
 (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



RN 320383-08-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-5,17-bis[2-(2-pyridinyl)ethenyl]-, (9S,10R,11R,13R)-(9CI)
 (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.

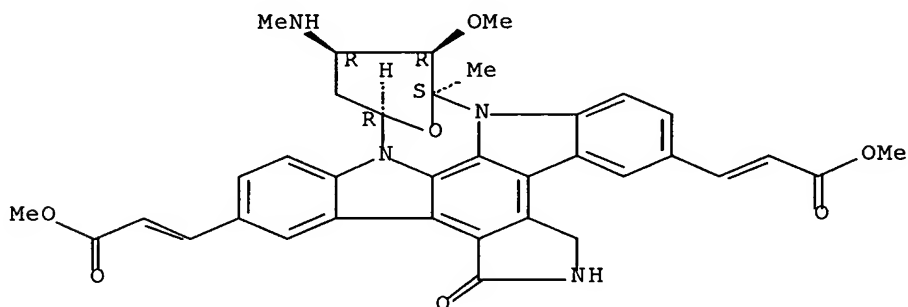


RN 320383-09-3 CAPLUS

CN 2-Propenoic acid, 3,3'-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis-, dimethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

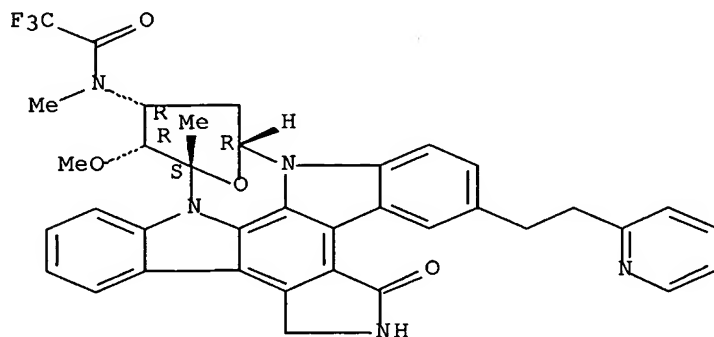
Double bond geometry unknown.



RN 320383-10-6 CAPLUS

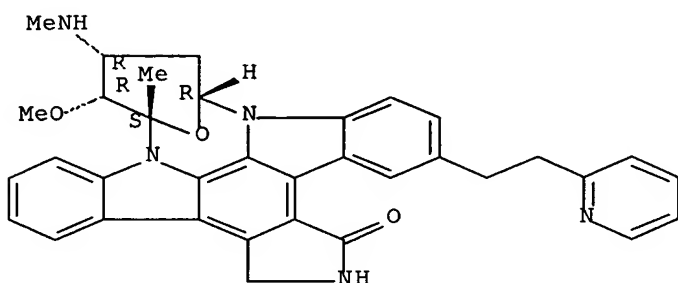
CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[2-(2-pyridinyl)ethyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl-, (9CI) (CA INDEX NAME)

Absolute stereochemistry.



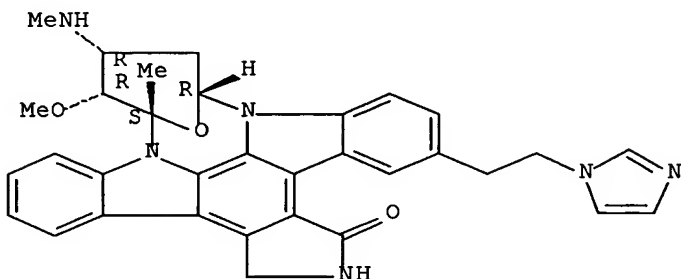
RN 320383-11-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[2-(2-pyridinyl)ethyl]-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



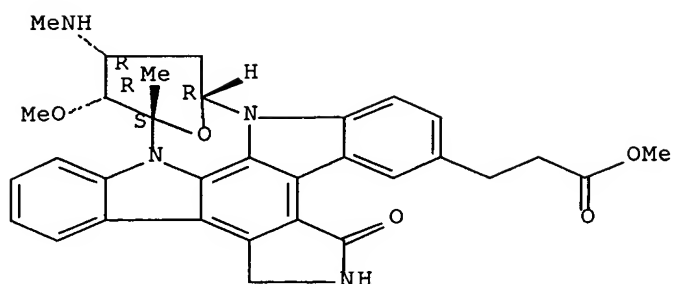
RN 320383-12-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-[2-(1H-imidazol-1-yl)ethyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



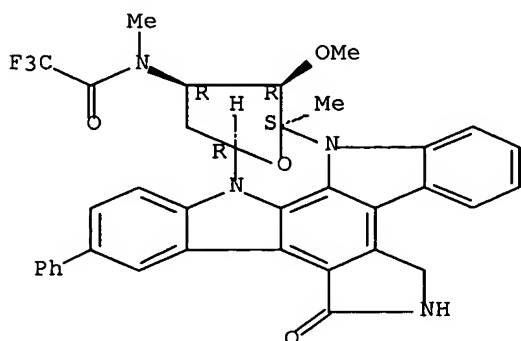
RN 320383-13-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-propanoic acid, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, methyl ester, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



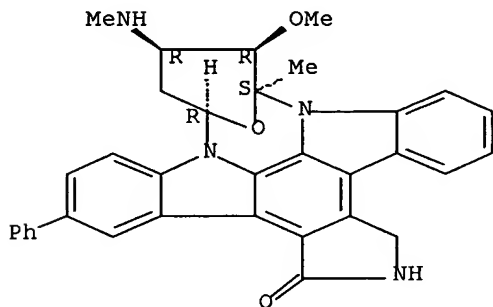
RN 320383-14-0 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-phenyl-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-15-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-phenyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

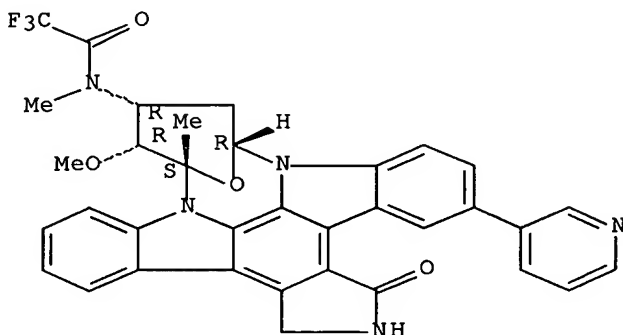


RN 320383-16-2 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-

hexahydro-

10-methoxy-9-methyl-1-oxo-17-(3-pyridinyl)-9,13-epoxy-1H,9H-
diindolo[1,2,3-
gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
(CA INDEX NAME)

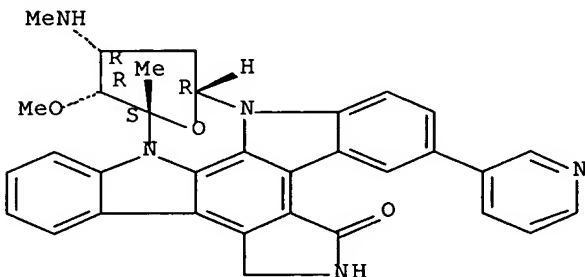
Absolute stereochemistry.



RN 320383-17-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-
methyl-
11-(methylamino)-17-(3-pyridinyl)-, (9S,10R,11R,13R)- (9CI) (CA INDEX
NAME)

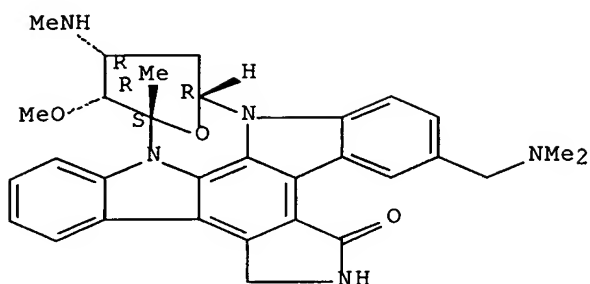
Absolute stereochemistry.



RN 320383-18-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 17-[(dimethylamino)methyl]-2,3,10,11,12,13-
hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
(CA INDEX NAME)

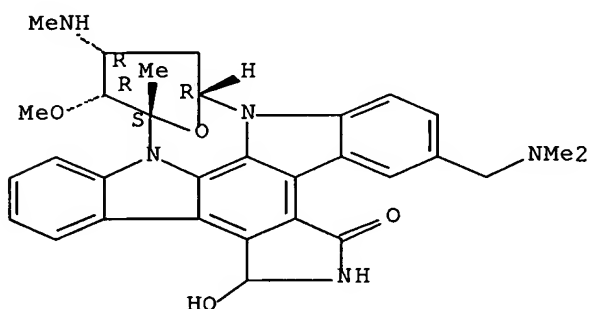
Absolute stereochemistry.



RN 320383-19-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(dimethylamino)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

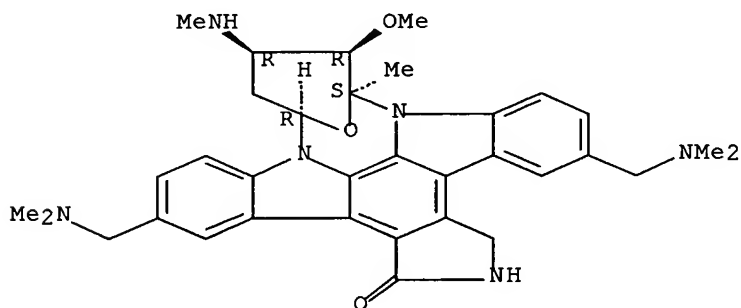
Absolute stereochemistry.



RN 320383-20-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(dimethylamino)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

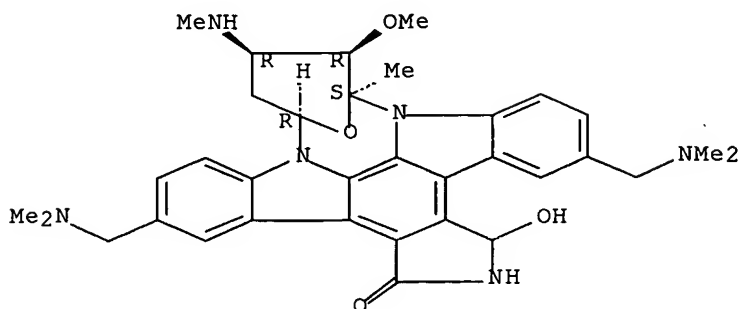


RN 320383-21-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(dimethylamino)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-

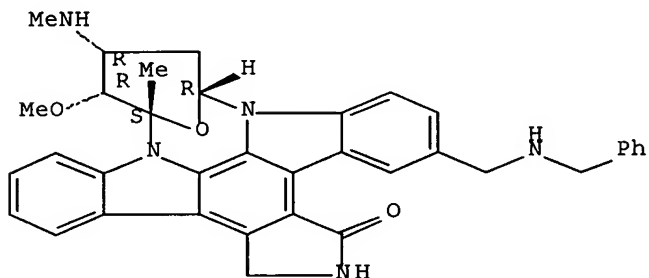
(methylamino)-,
 (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



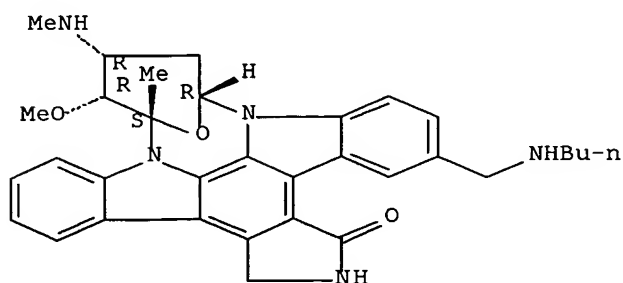
RN 320383-22-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[(phenylmethyl)amino]methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



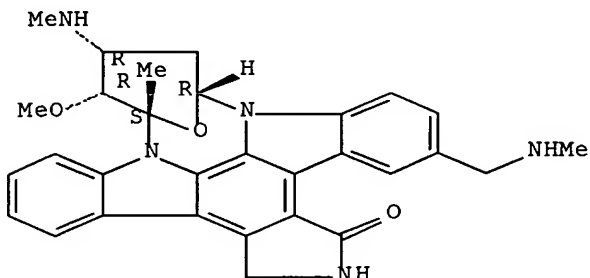
RN 320383-23-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(butylamino)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



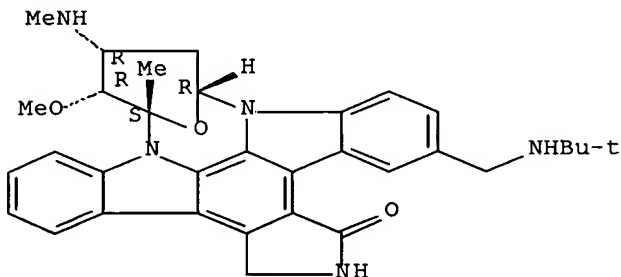
RN 320383-24-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[(methylamino)methyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



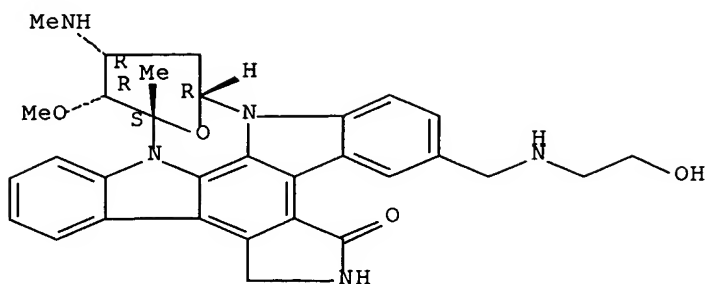
RN 320383-25-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[[(1,1-dimethylethyl)amino]methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-26-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-[[[(2-hydroxyethyl)amino]methyl]-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

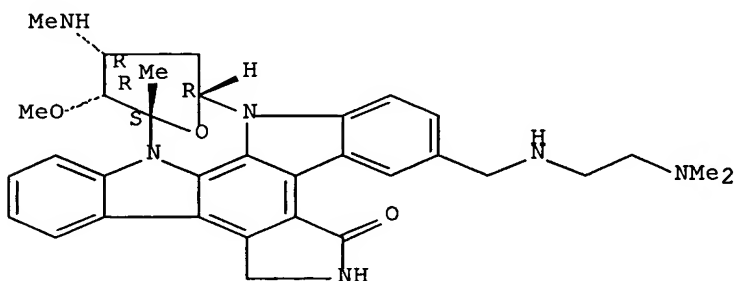
Absolute stereochemistry.



RN 320383-27-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[2-(dimethylamino)ethyl]amino]methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

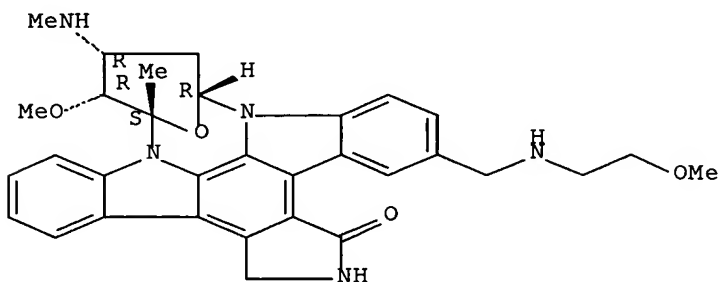
Absolute stereochemistry.



RN 320383-28-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-17-[[2-(methoxyethyl)amino]methyl]-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

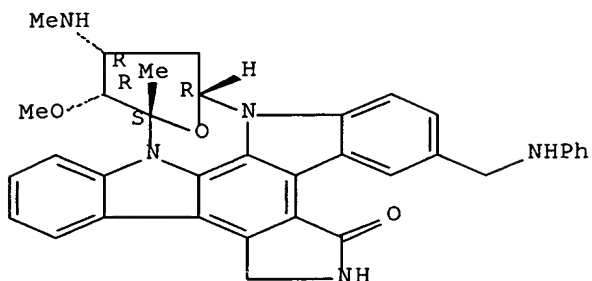


RN 320383-29-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-17-[(phenylamino)methyl]-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

INDEX NAME)

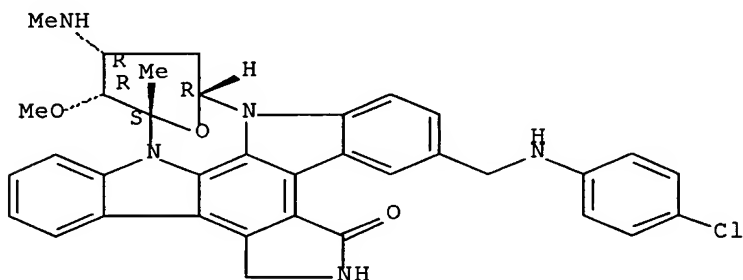
Absolute stereochemistry.



RN 320383-30-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[4-(4-chlorophenyl)amino]methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

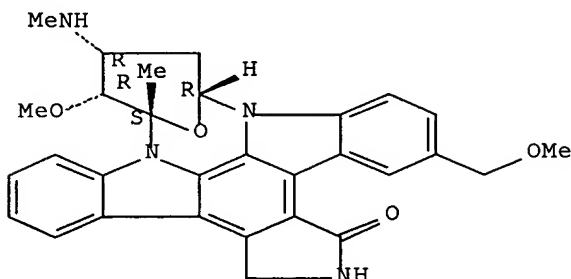
Absolute stereochemistry.



RN 320383-31-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-17-((methoxymethyl)-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

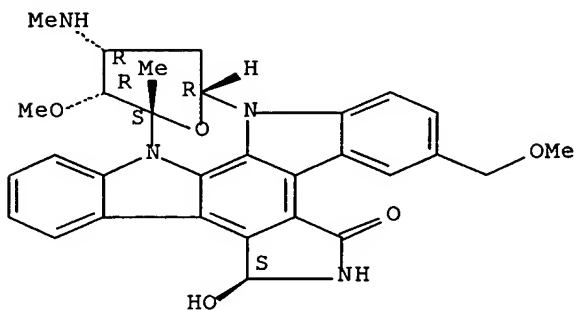


RN 320383-32-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

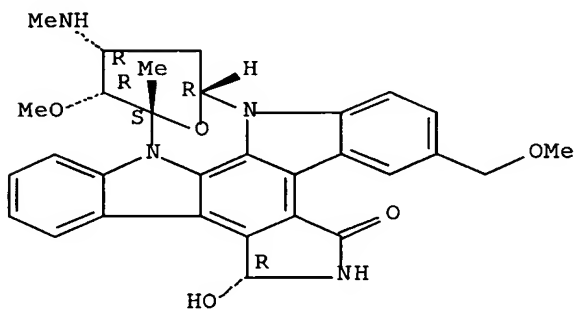
j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-17-(methoxymethyl)-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



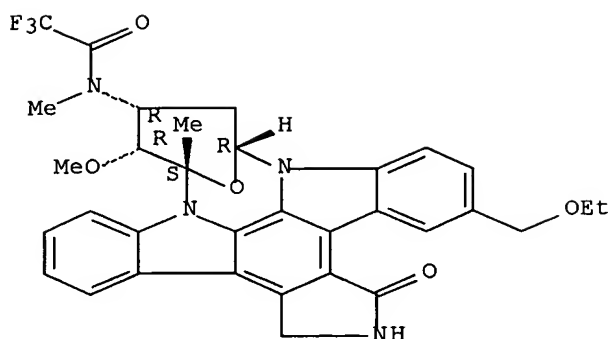
RN 320383-33-3 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-17-(methoxymethyl)-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



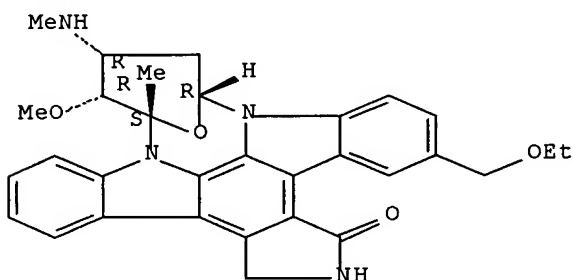
RN 320383-34-4 CAPLUS
CN Acetamide, N-[(9S,10R,11R,13R)-17-(ethoxymethyl)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



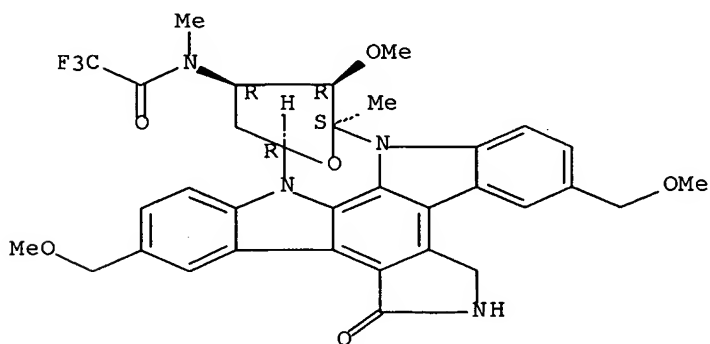
RN 320383-35-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(ethoxymethyl)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



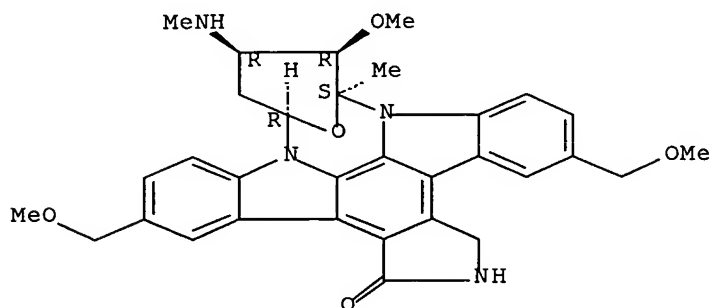
RN 320383-36-6 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



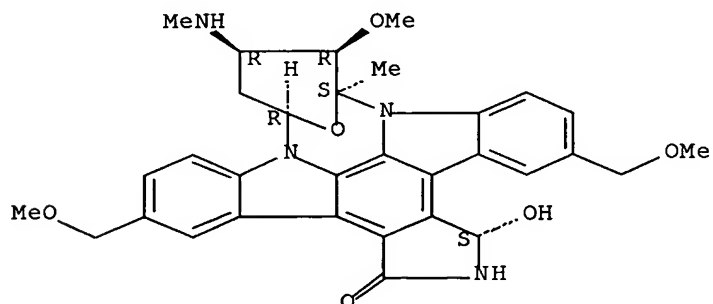
RN 320383-37-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



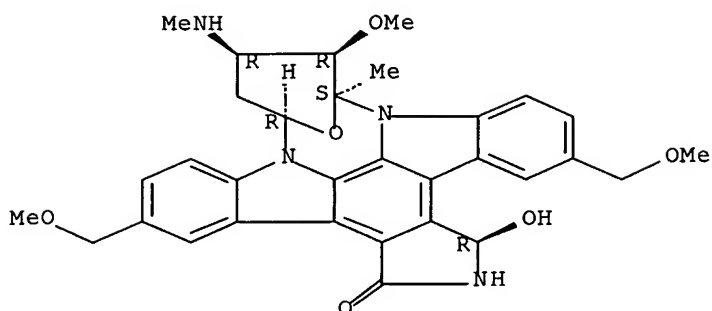
RN 320383-38-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-39-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-5,17-bis(methoxymethyl)-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

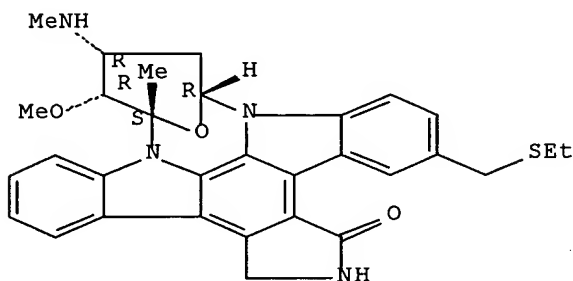
Absolute stereochemistry.



RN 320383-40-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI)
(CA INDEX NAME)

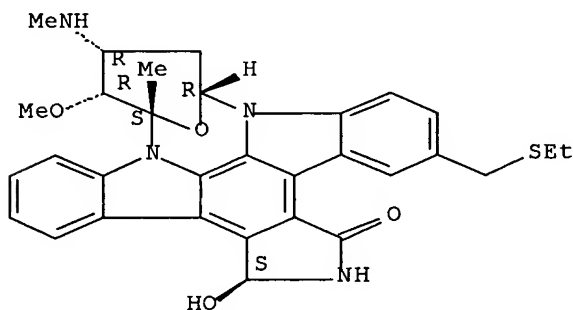
Absolute stereochemistry.



RN 320383-41-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

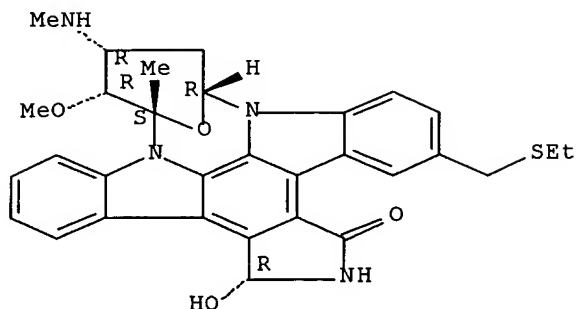


RN 320383-42-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,

(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

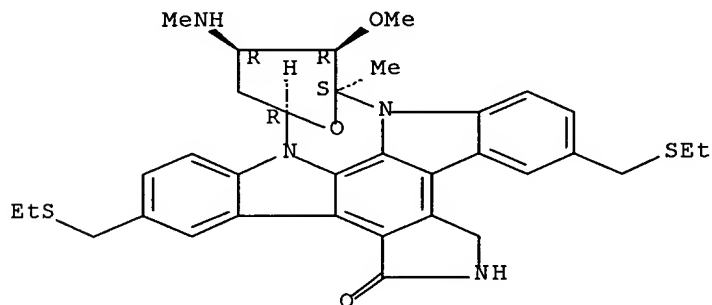
Absolute stereochemistry.



RN 320383-43-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

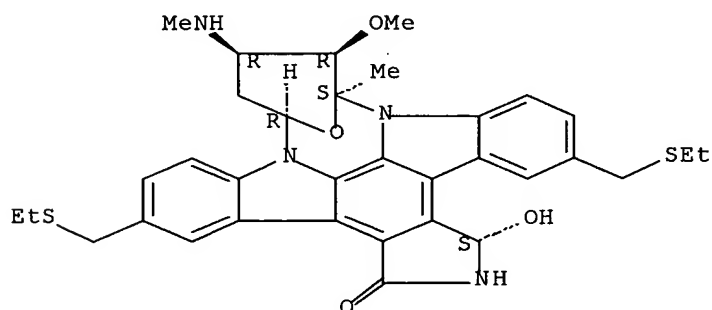
Absolute stereochemistry.



RN 320383-44-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

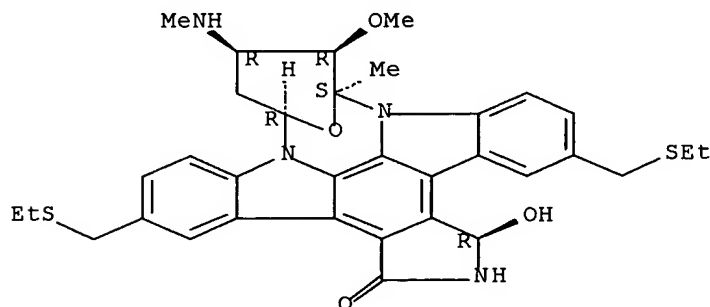
Absolute stereochemistry.



RN 320383-45-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

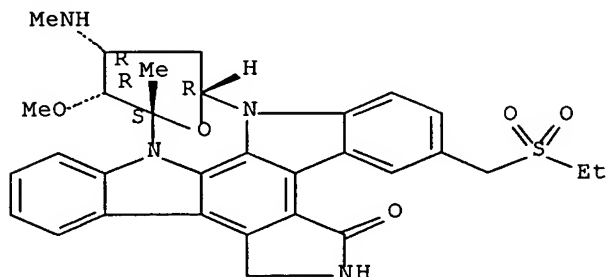
Absolute stereochemistry.



RN 320383-46-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

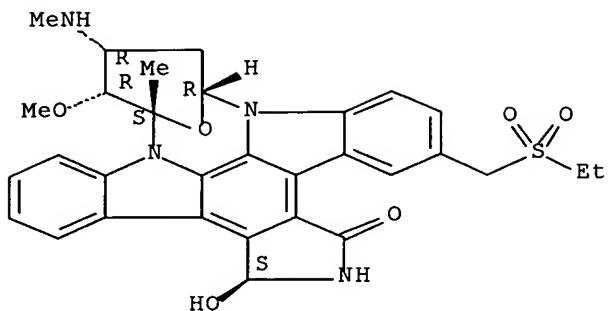
Absolute stereochemistry.



RN 320383-47-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

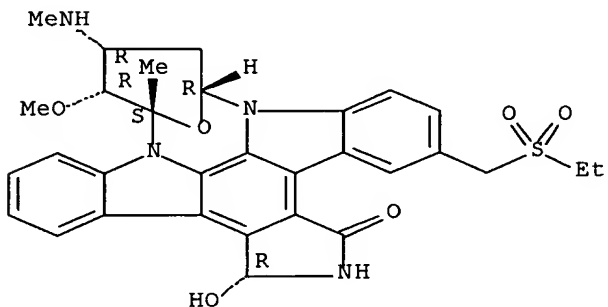
Absolute stereochemistry.



RN 320383-48-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

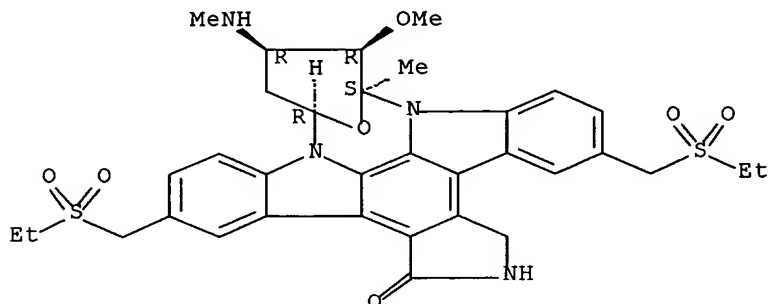
Absolute stereochemistry.



RN 320383-49-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

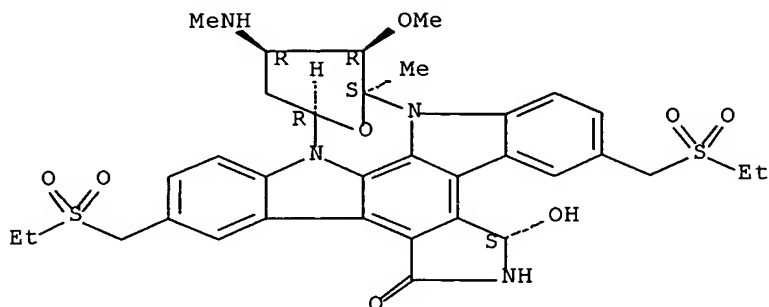


RN 320383-50-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylsulfonyl)methyl]-

2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,
(3S,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

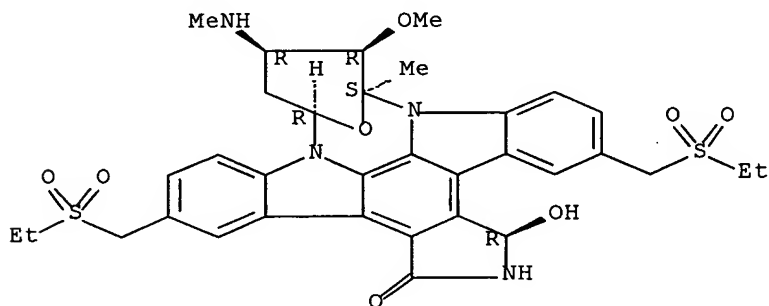
Absolute stereochemistry.



RN 320383-51-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylsulfonyl)methyl]-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-,
(3R,9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

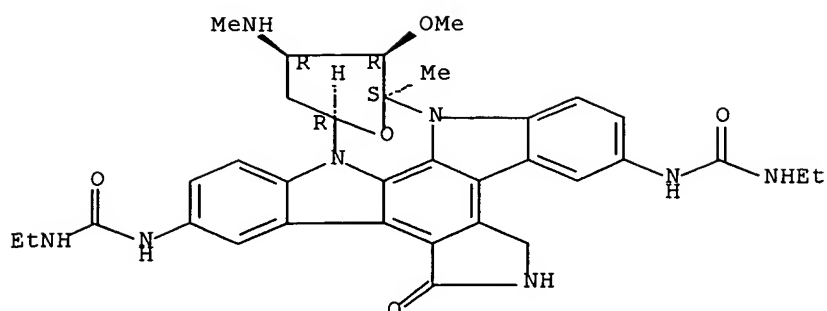
Absolute stereochemistry.



RN 320383-52-6 CAPLUS

CN Urea, N,N''-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis[N'-ethyl-, (9CI) (CA INDEX NAME)

Absolute stereochemistry.

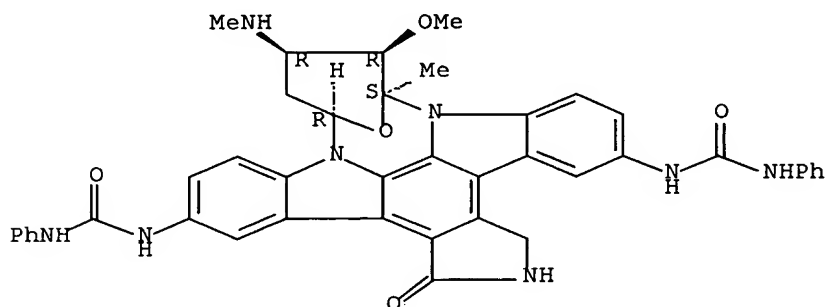


RN 320383-53-7 CAPLUS

CN Urea, N,N'-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis[N'-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

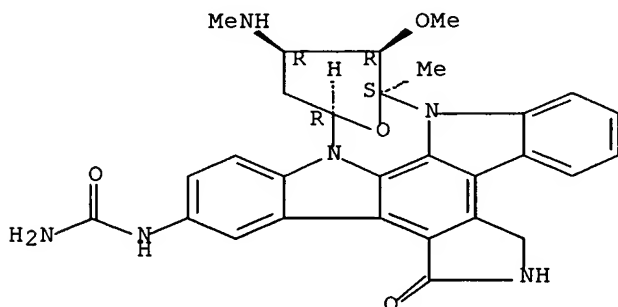


RN 320383-54-8 CAPLUS

CN Urea, [(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-

(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



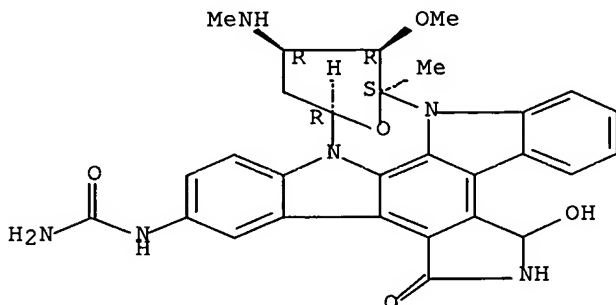
RN 320383-55-9 CAPLUS

CN Urea, [(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-

13-

methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

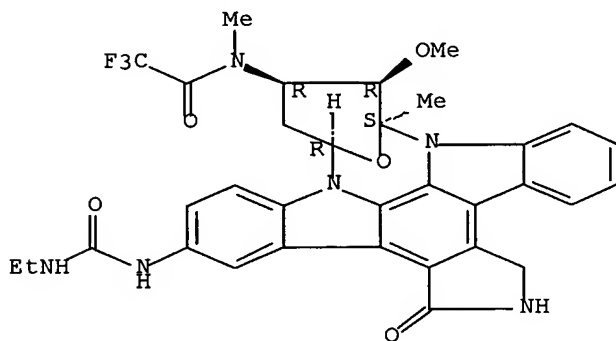
Absolute stereochemistry.



RN 320383-56-0 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[[[(ethylamino)carbonyl]amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

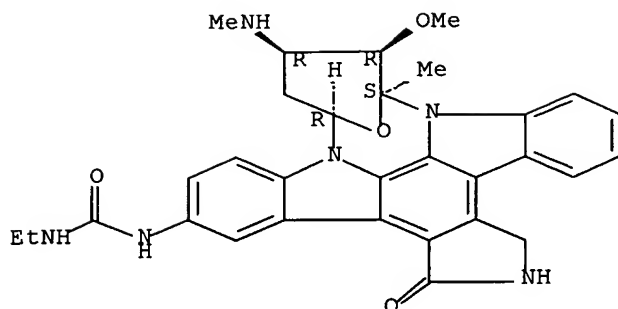
Absolute stereochemistry.



RN 320383-57-1 CAPLUS

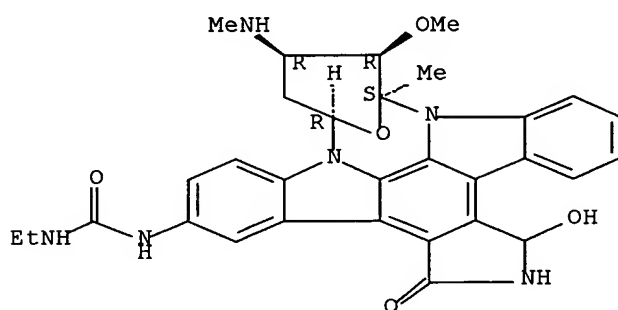
CN Urea, N-ethyl-N'-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



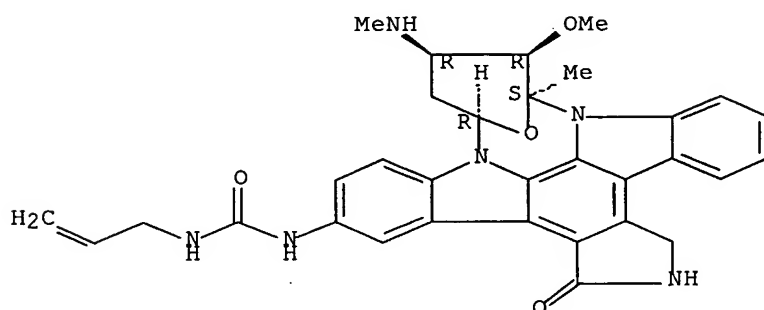
RN 320383-58-2 CAPLUS
 CN Urea, N-ethyl-N'-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-59-3 CAPLUS
 CN Urea, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)

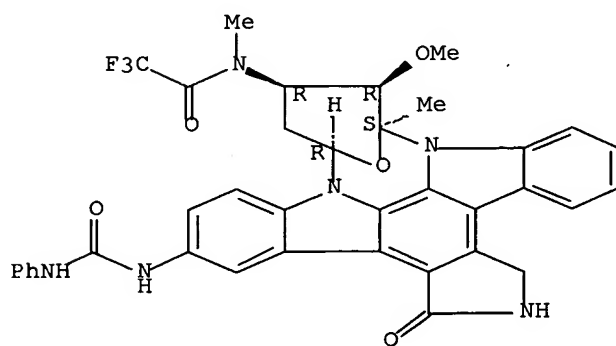
Absolute stereochemistry.



RN 320383-60-6 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[[(phenylamino) carbonyl] amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

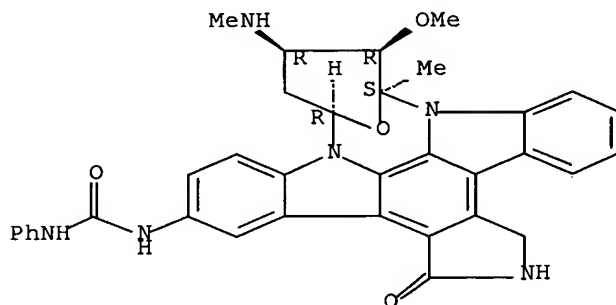
Absolute stereochemistry.



RN 320383-61-7 CAPLUS

CN Urea, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-phenyl- (9CI) (CA INDEX NAME)

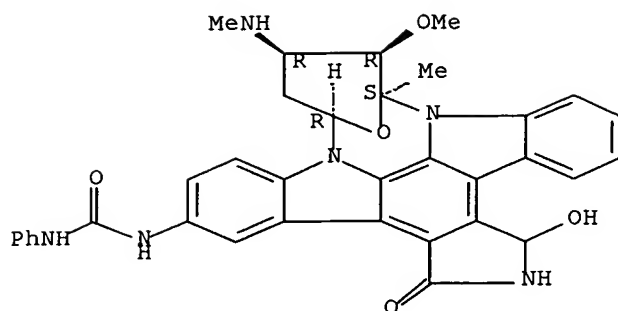
Absolute stereochemistry.



RN 320383-62-8 CAPLUS

CN Urea, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

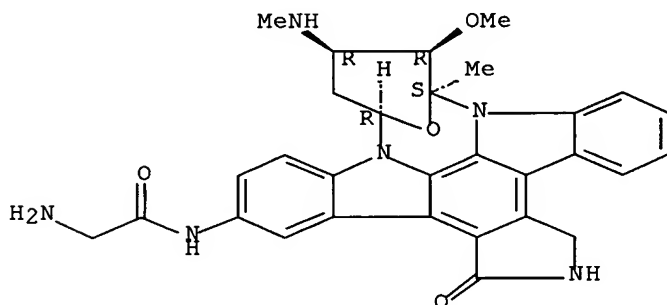


RN 320383-63-9 CAPLUS

CN Acetamide, 2-amino-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-

gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

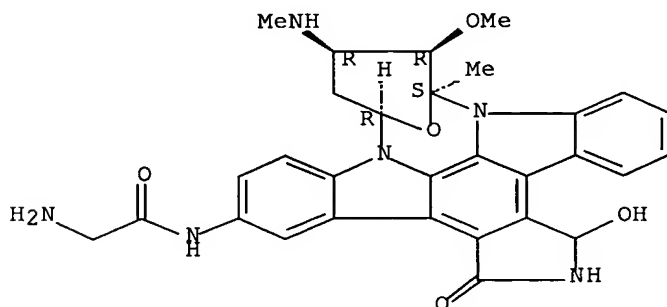


RN 320383-64-0 CAPLUS

CN Acetamide, 2-amino-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-

12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

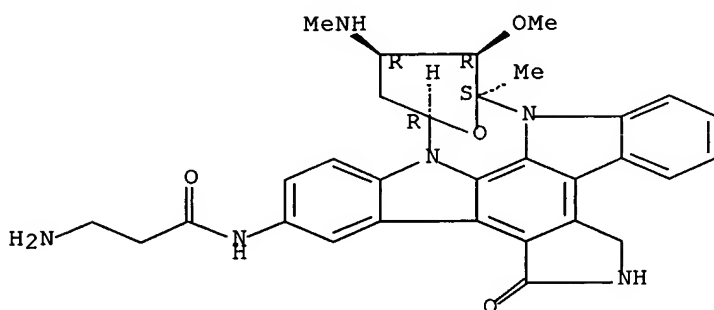
Absolute stereochemistry.



RN 320383-65-1 CAPLUS

CN Propanamide, 3-amino-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

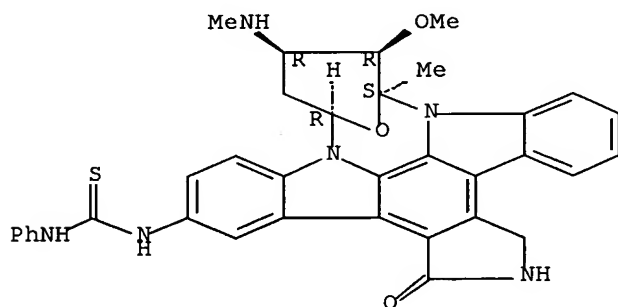
Absolute stereochemistry.



RN 320383-66-2 CAPLUS

CN Thiourea, N'-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-phenyl- (9CI) (CA INDEX NAME)

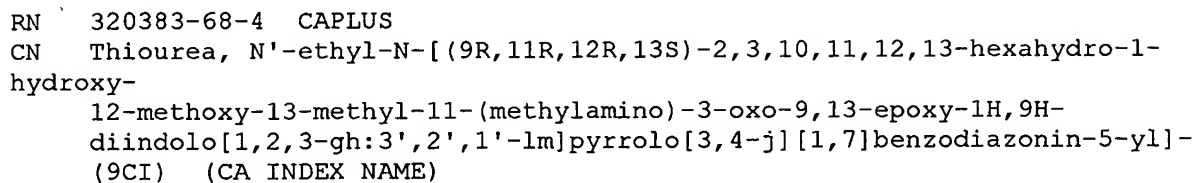
Absolute stereochemistry.



RN 320383-67-3 CAPLUS

CN Thiourea, N'-ethyl-N'-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



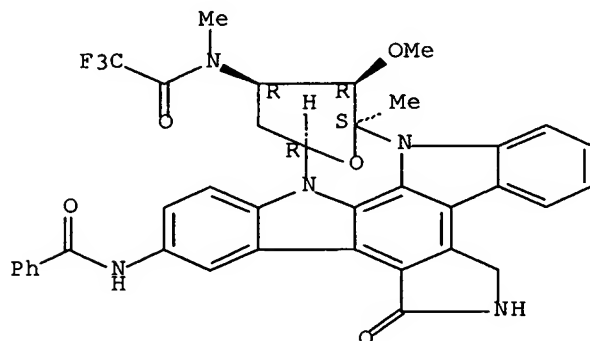
The chemical structure shows a complex alkaloid derivative, likely a morphine derivative, with a pentacyclic core. The structure includes a morphine-like skeleton with a MeNH group, an OMe group, a Me group, and an EtNH group. The structure is labeled with R, S, and H stereochemistry.

RN 320383-69-5 CAPLUS
CN 2-Pyrrolidinecarboxamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, (2S)- (9CI) (CA INDEX NAME)

RN 320383-70-8 CAPLUS

CN Benzamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

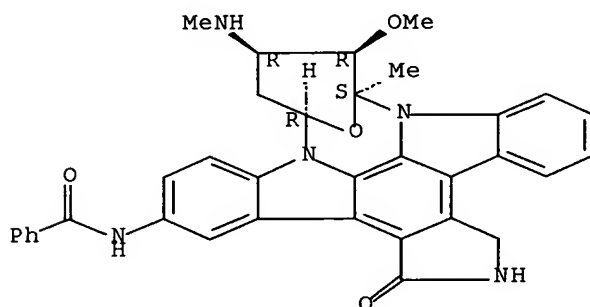
Absolute stereochemistry.



RN 320383-71-9 CAPLUS

CN Benzamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

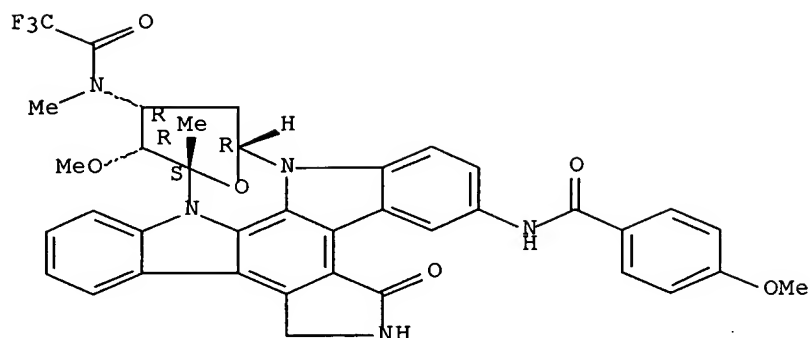
Absolute stereochemistry.



RN 320383-72-0 CAPLUS

CN Benzamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

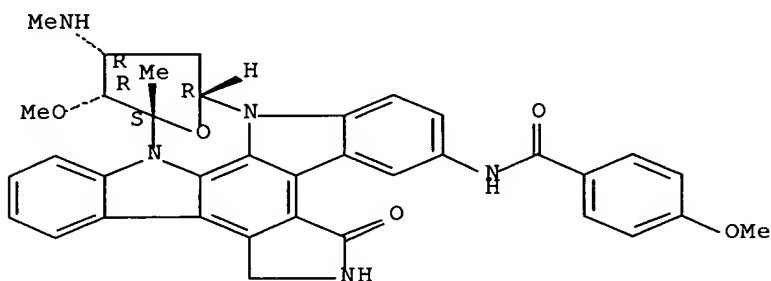
Absolute stereochemistry.



RN 320383-73-1 CAPLUS

CN Benzamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

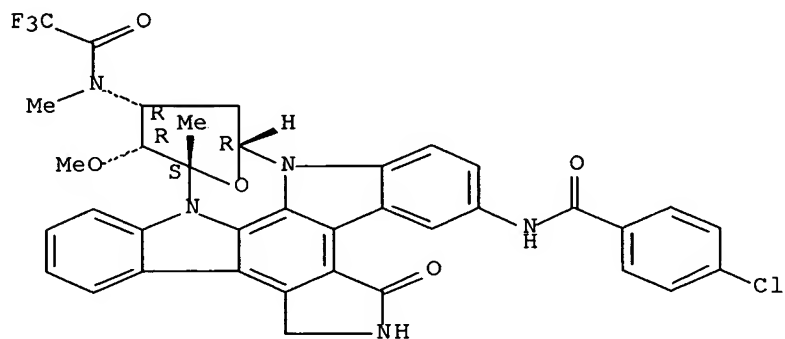
Absolute stereochemistry.



RN 320383-74-2 CAPLUS

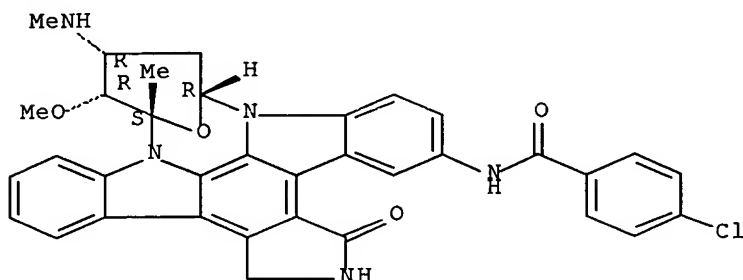
CN Benzamide, 4-chloro-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



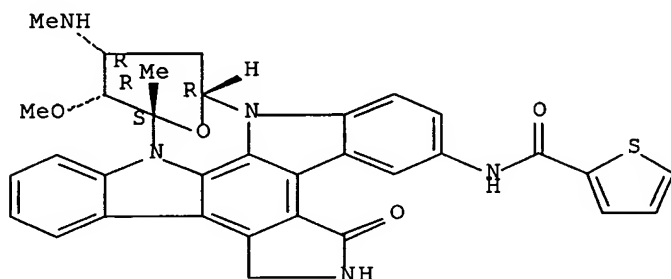
RN 320383-75-3 CAPLUS
 CN Benzamide, 4-chloro-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



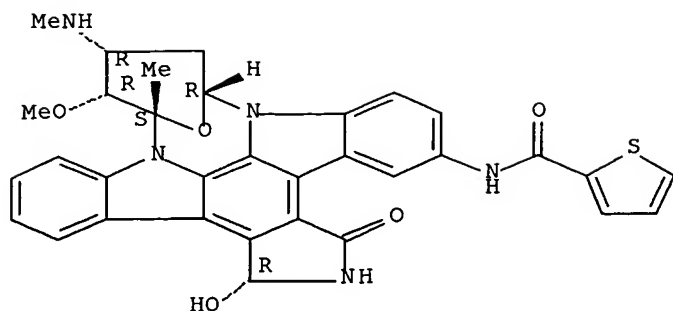
RN 320383-76-4 CAPLUS
 CN 2-Thiophenecarboxamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320383-77-5 CAPLUS
 CN 2-Thiophenecarboxamide, N-[(1R,9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

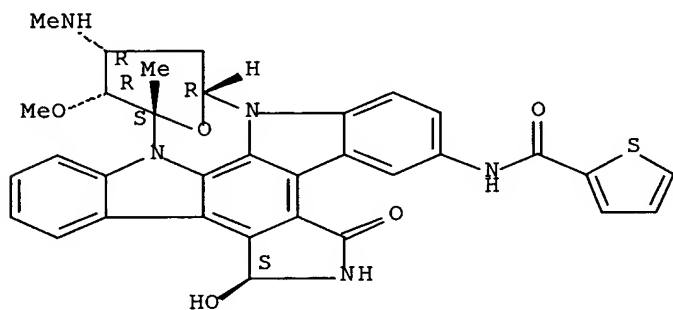


RN 320383-78-6 CAPLUS

CN 2-Thiophenecarboxamide, N-[(1S,9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-1-

hydroxy-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-(9CI) (CA INDEX NAME)

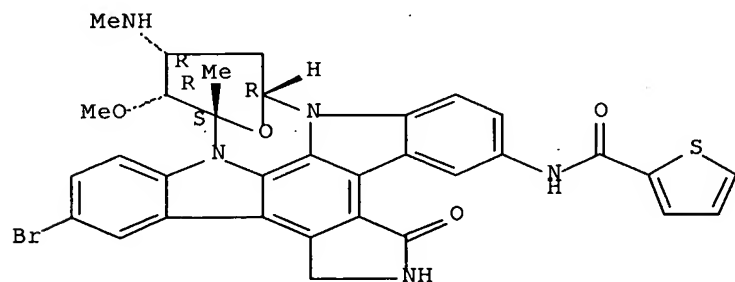
Absolute stereochemistry.



RN 320383-79-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[(9R,11R,12R,13S)-17-bromo-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

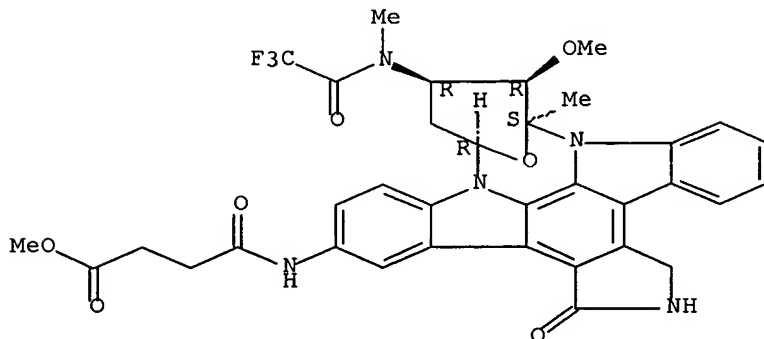


RN 320383-80-0 CAPLUS

CN Butanoic acid, 4-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-

13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)

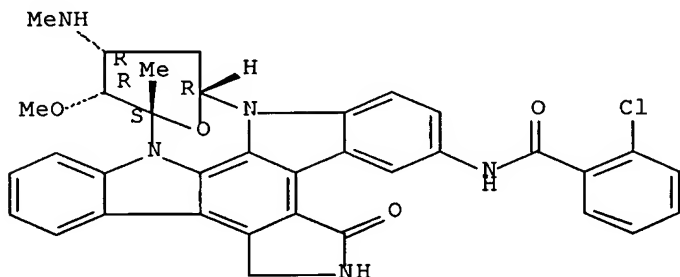
Absolute stereochemistry.



RN 320383-81-1 CAPLUS

CN Benzamide, 2-chloro-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

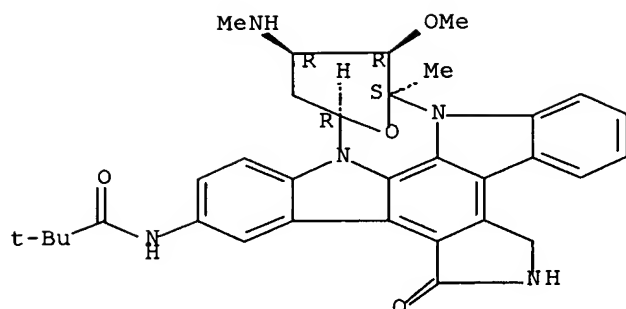
Absolute stereochemistry.



RN 320383-82-2 CAPLUS

CN Propanamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-2,2-dimethyl- (9CI) (CA INDEX NAME)

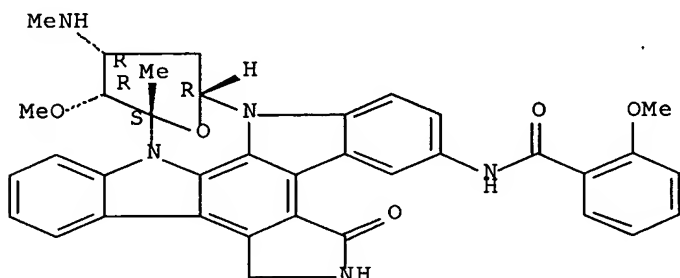
Absolute stereochemistry.



RN 320383-83-3 CAPLUS

CN Benzamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-2-methoxy- (9CI) (CA INDEX NAME)

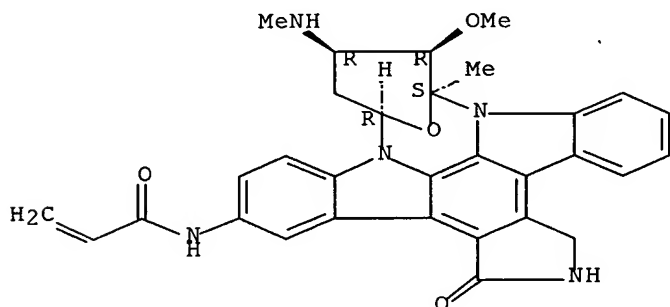
Absolute stereochemistry.



RN 320383-84-4 CAPLUS

CN 2-Propenamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

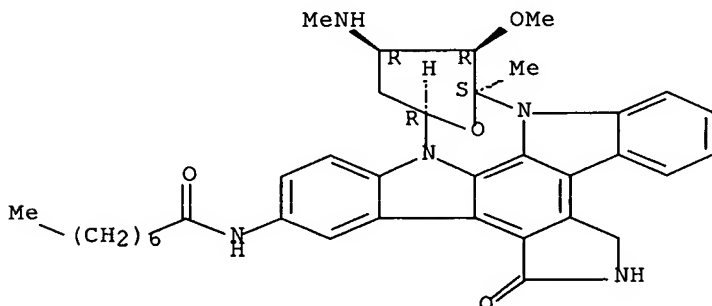


RN 320383-85-5 CAPLUS

CN Octanamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-

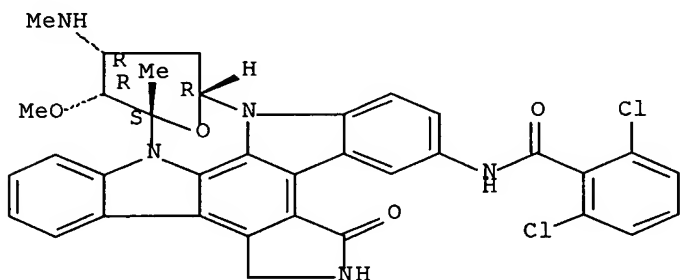
methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-
gh:3',2',1'-
lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



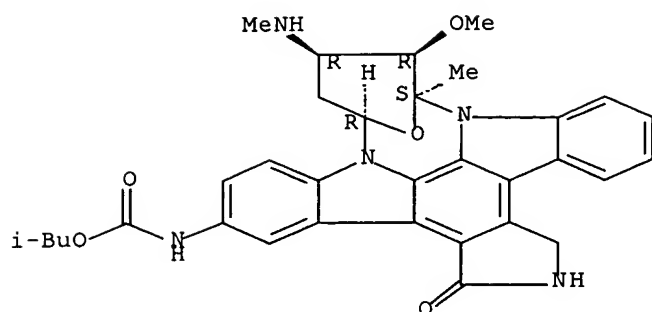
RN 320383-86-6 CAPLUS
CN Benzamide, 2,6-dichloro-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-
12-
methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-
diindolo[1,2,3-
gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



RN 320383-87-7 CAPLUS
CN Carbamic acid, [(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-
13-
methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-
gh:3',2',1'-
lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, 2-methylpropyl ester (9CI)
(CA INDEX NAME)

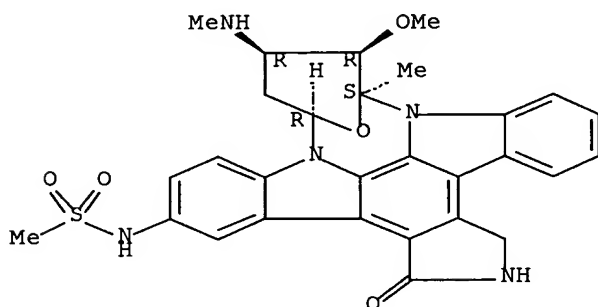
Absolute stereochemistry.



RN 320383-88-8 CAPLUS

CN Methanesulfonamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

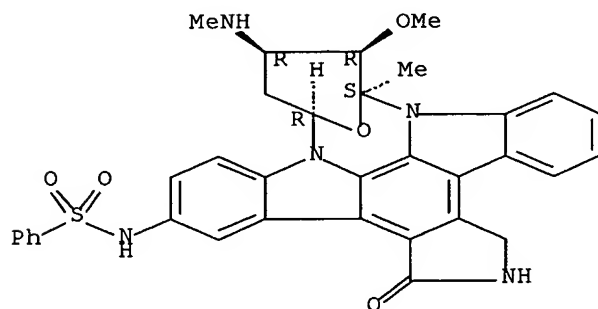
Absolute stereochemistry.



RN 320383-89-9 CAPLUS

CN Benzenesulfonamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

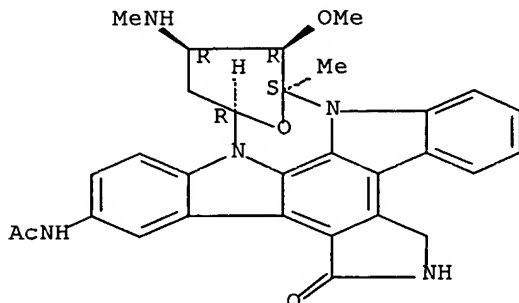
Absolute stereochemistry.



RN 320383-90-2 CAPLUS

CN Acetamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

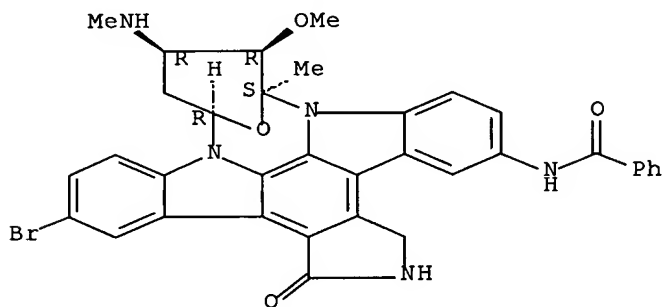
Absolute stereochemistry.



RN 320383-91-3 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

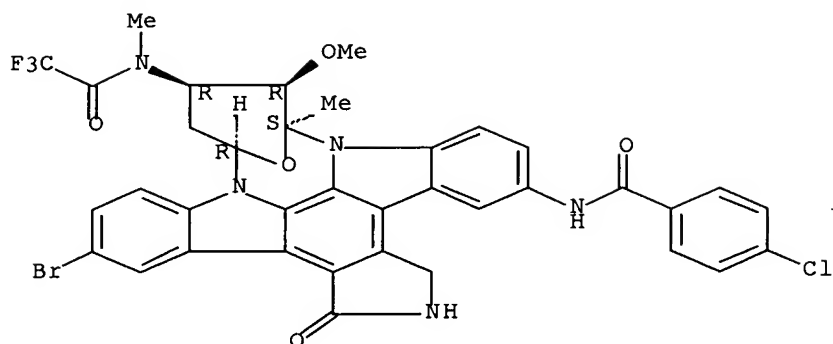
Absolute stereochemistry.



RN 320383-92-4 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl(trifluoroacetyl)amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-chloro- (9CI) (CA INDEX NAME)

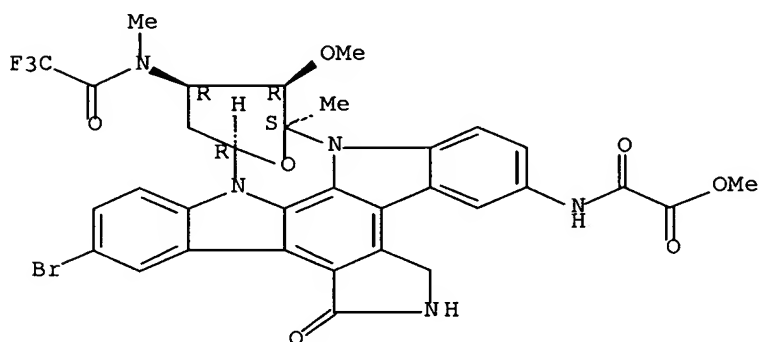
Absolute stereochemistry.



RN 320383-93-5 CAPLUS

CN Acetic acid, [[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl(trifluoroacetyl)amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]oxo-, methyl ester (9CI) (CA INDEX NAME)

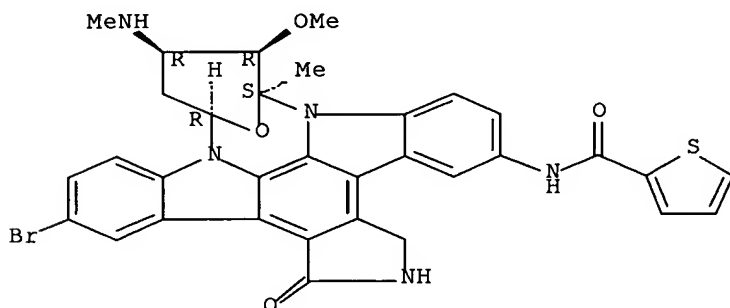
Absolute stereochemistry.



RN 320383-94-6 CAPLUS

CN 2-Thiophenecarboxamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

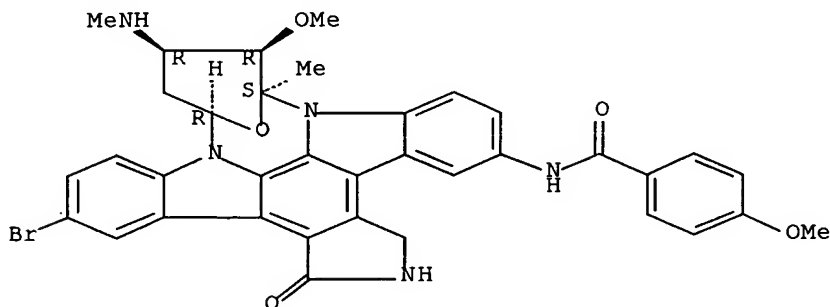
Absolute stereochemistry.



RN 320383-95-7 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI)
(CA INDEX NAME)

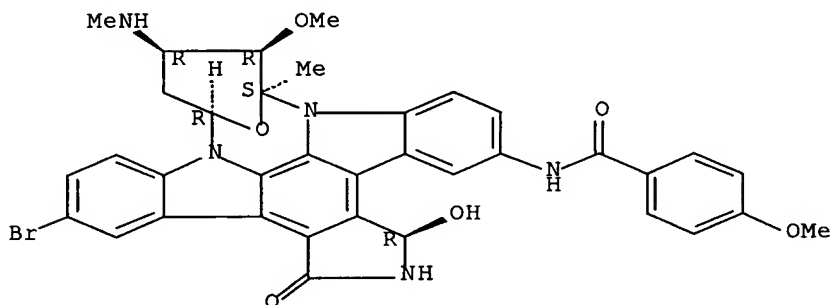
Absolute stereochemistry.



RN 320383-96-8 CAPLUS

CN Benzamide, N-[(3R,9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

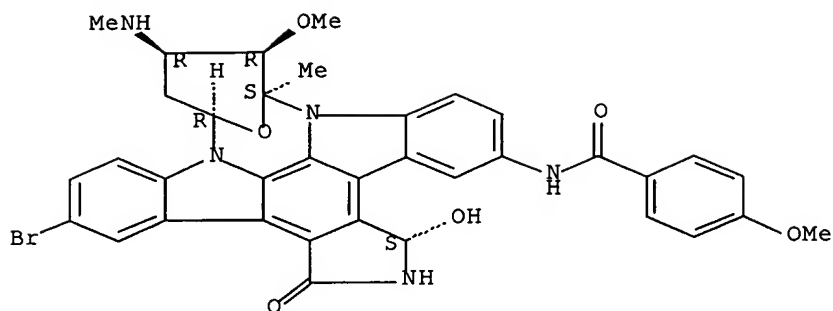
Absolute stereochemistry.



RN 320383-97-9 CAPLUS

CN Benzamide, N-[(3S,9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-3-hydroxy-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



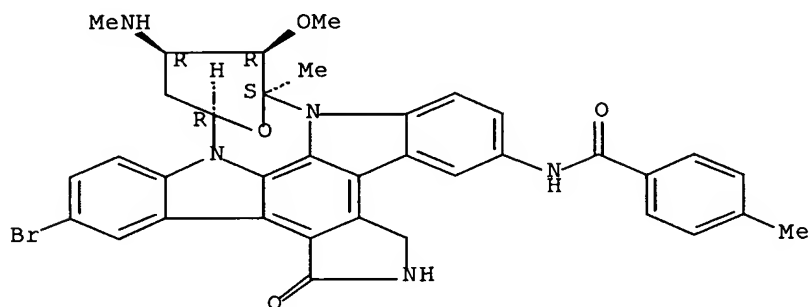
RN 320383-98-0 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methyl- (9CI)

(CA

INDEX NAME)

Absolute stereochemistry.

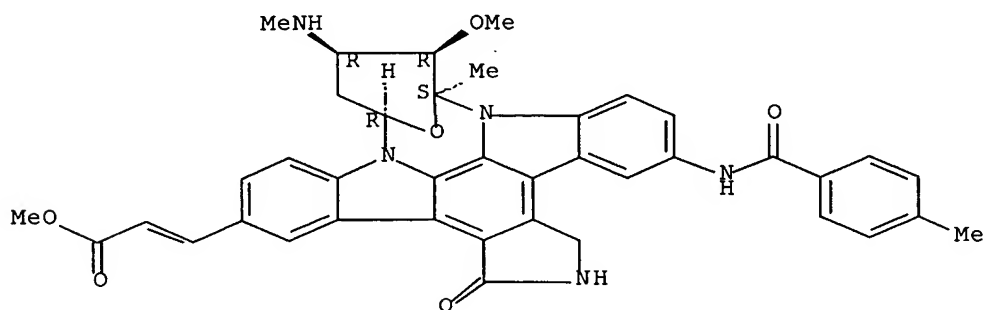


RN 320383-99-1 CAPLUS

CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-17-[(4-methylbenzoyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



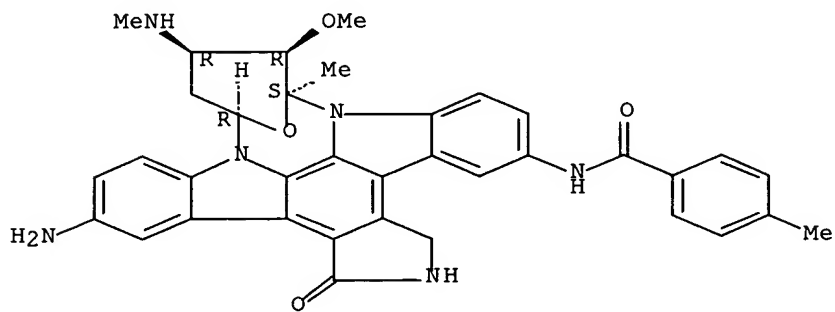
RN 320384-00-7 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methyl- (9CI)

(CA

INDEX NAME)

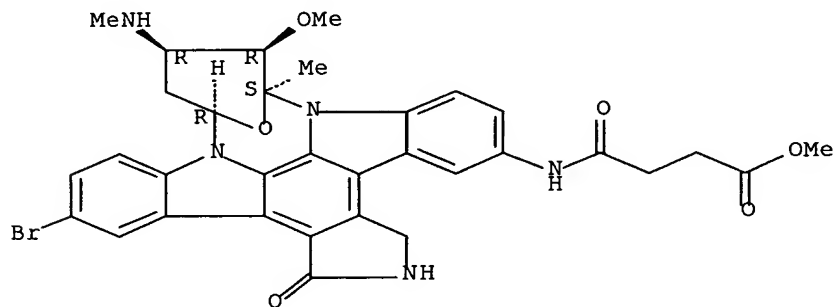
Absolute stereochemistry.



RN 320384-01-8 CAPLUS

CN Butanoic acid, 4-[[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)

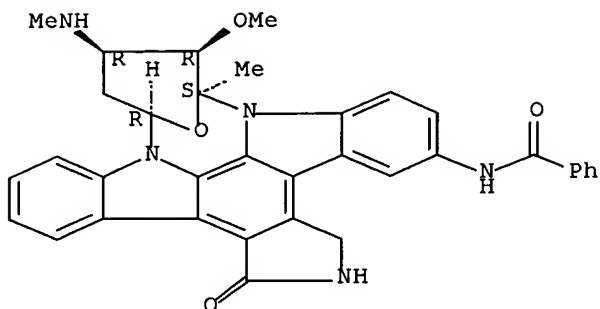
Absolute stereochemistry.



RN 320384-02-9 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

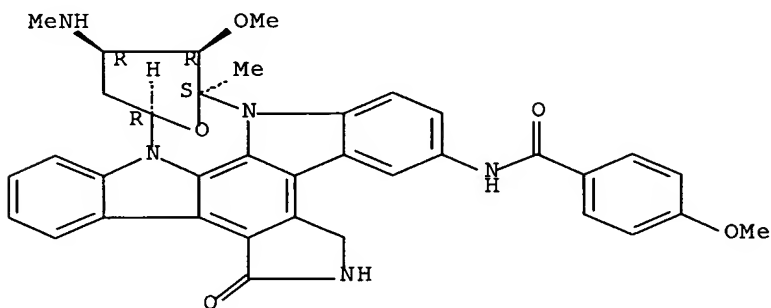
Absolute stereochemistry.



RN 320384-03-0 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methoxy- (9CI) (CA INDEX NAME)

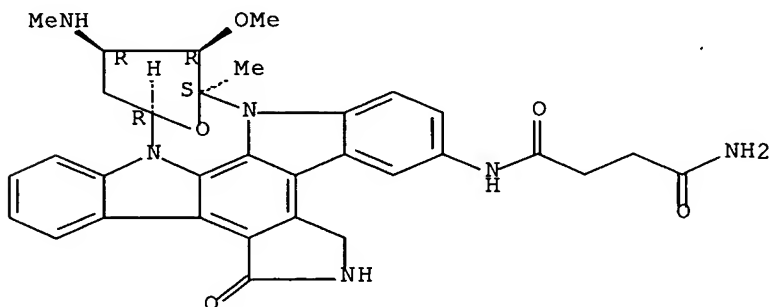
Absolute stereochemistry.



RN 320384-04-1 CAPLUS

CN Butanediamide, N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

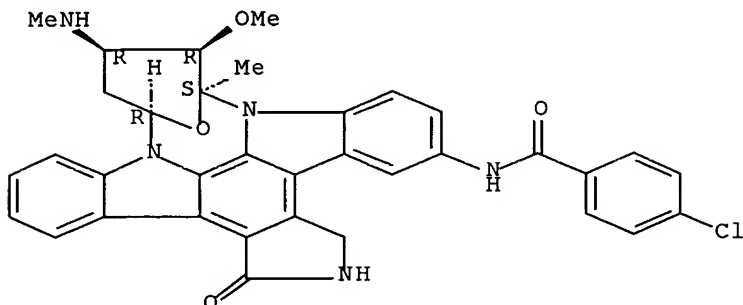
Absolute stereochemistry.



RN 320384-05-2 CAPLUS

CN Benzamide, 4-chloro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

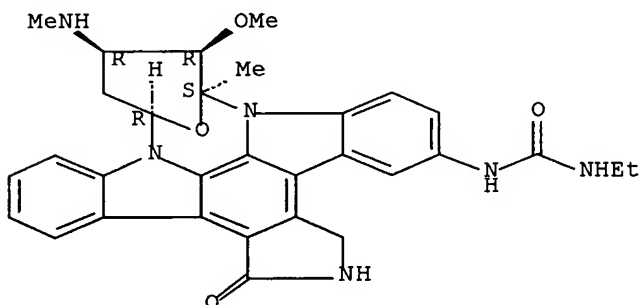
Absolute stereochemistry.



RN 320384-06-3 CAPLUS

CN Urea, N-ethyl-N'-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

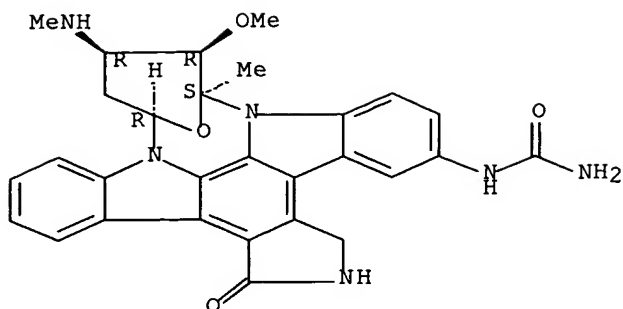
Absolute stereochemistry.



RN 320384-08-5 CAPLUS

CN Urea, [(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-10-9 CAPLUS

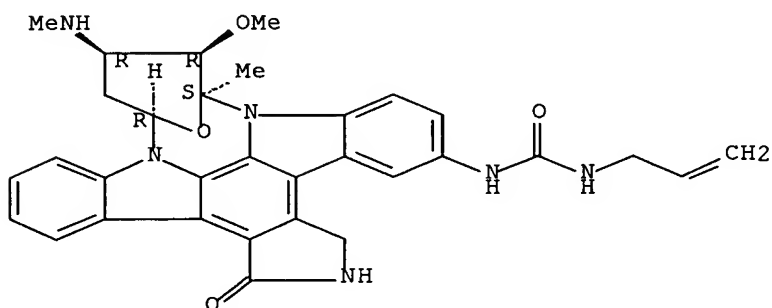
CN Urea, N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-

(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-N'-2-propenyl- (9CI) (CA

INDEX

NAME)

Absolute stereochemistry.



RN 320384-11-0 CAPLUS

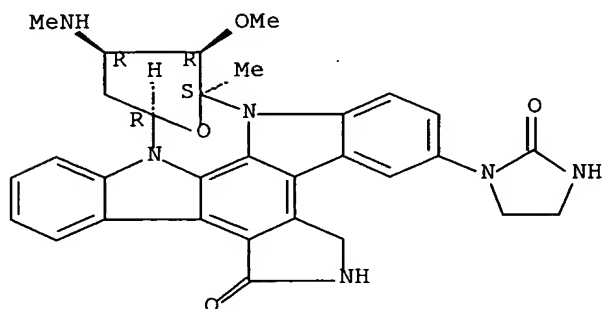
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-

11-(methylamino)-5-(2-oxo-1-imidazolidinyl)-, (9S,10R,11R,13R)- (9CI)

(CA

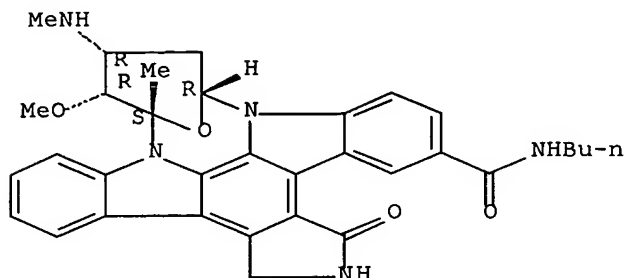
INDEX NAME)

Absolute stereochemistry.



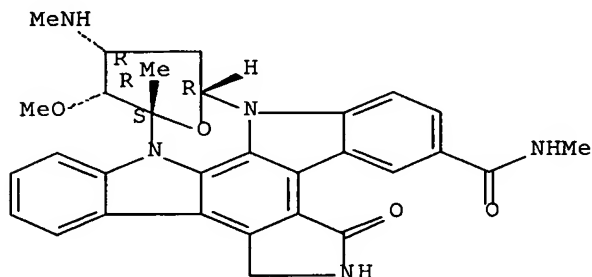
RN 320384-12-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, N-butyl-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



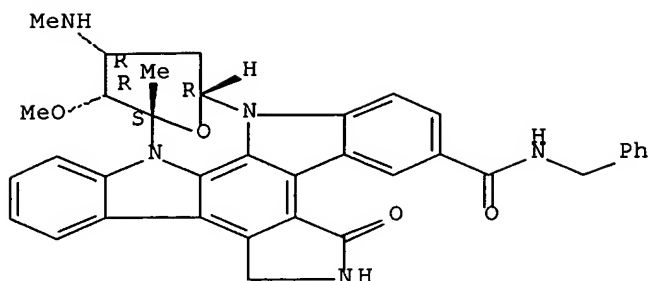
RN 320384-14-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-16-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-N-(phenylmethyl)-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

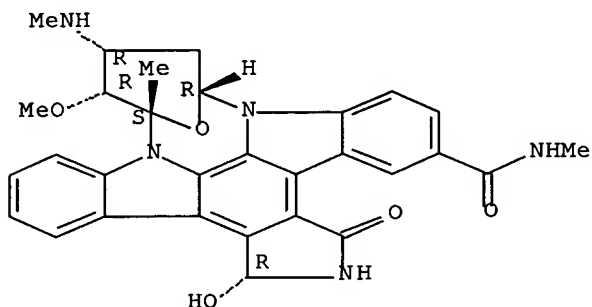
Absolute stereochemistry.



RN 320384-18-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-N,13-dimethyl-11-(methylamino)-3-oxo-, (1R,9R,11R,12R,13S)-(9CI) (CA INDEX NAME)

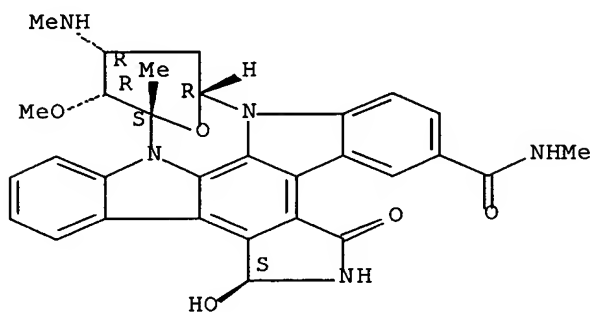
Absolute stereochemistry.



RN 320384-20-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-1-hydroxy-12-methoxy-N,13-dimethyl-11-(methylamino)-3-oxo-, (1S,9R,11R,12R,13S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

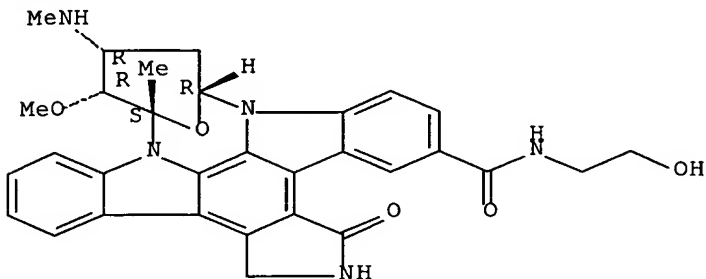


RN 320384-21-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-N-(2-hydroxyethyl)-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

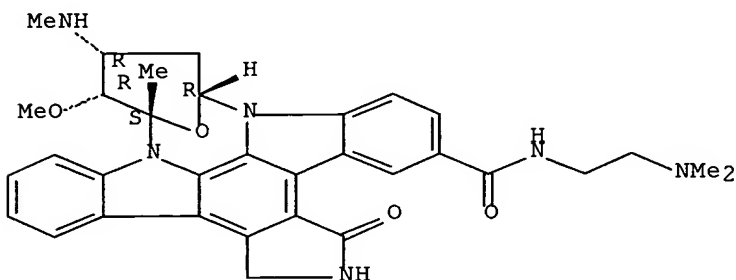
Absolute stereochemistry.



RN 320384-22-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, N-[2-(dimethylamino)ethyl]-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

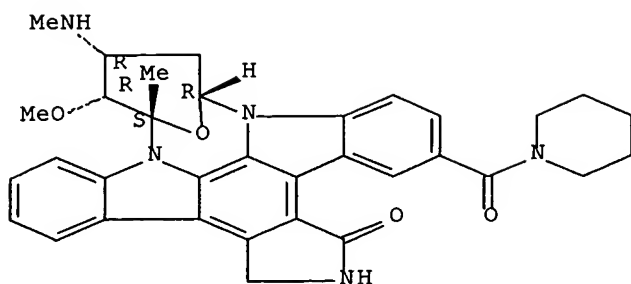
Absolute stereochemistry.



RN 320384-23-4 CAPLUS

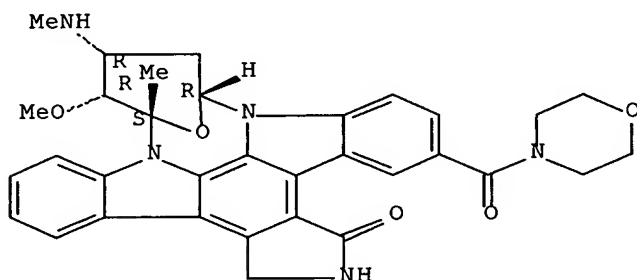
CN Piperidine, 1-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



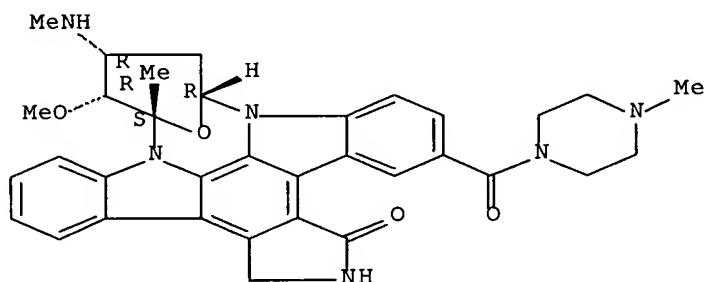
RN 320384-24-5 CAPLUS
 CN Morpholine, 4-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-25-6 CAPLUS
 CN Piperazine, 1-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]-4-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

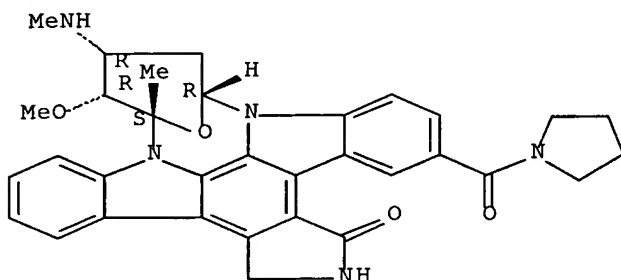


RN 320384-26-7 CAPLUS
 CN Pyrrolidine, 1-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-

13-

methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

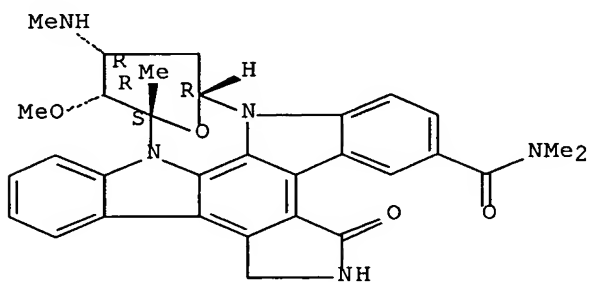


RN 320384-27-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-

N,N,13-trimethyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

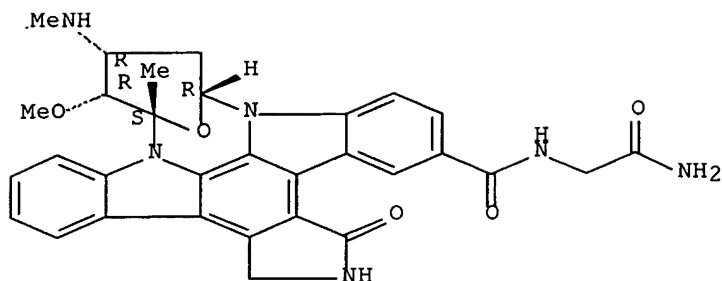
Absolute stereochemistry.



RN 320384-28-9 CAPLUS

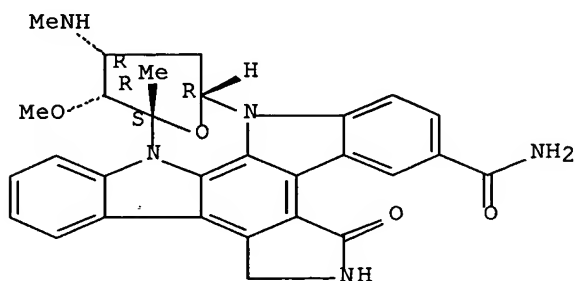
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, N-(2-amino-2-oxoethyl)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



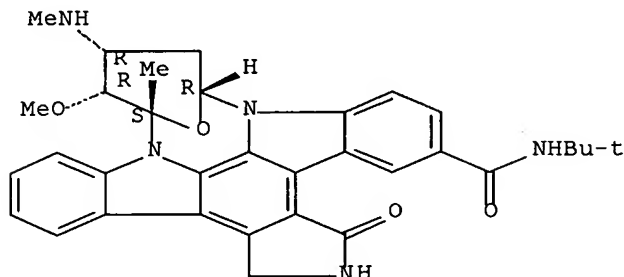
RN 320384-29-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-30-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, N-(1,1-dimethylethyl)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

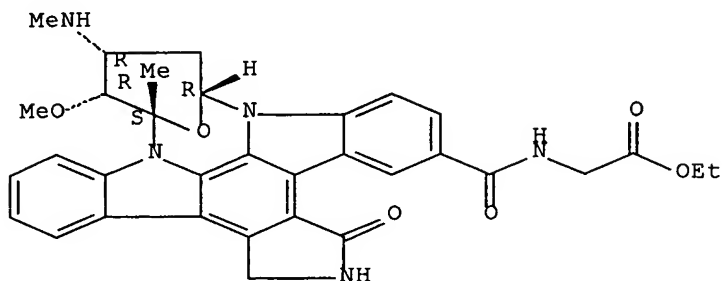


RN 320384-31-4 CAPLUS
 CN Glycine, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-yl]-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

gh:3',2',1'-

lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]-, ethyl ester (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

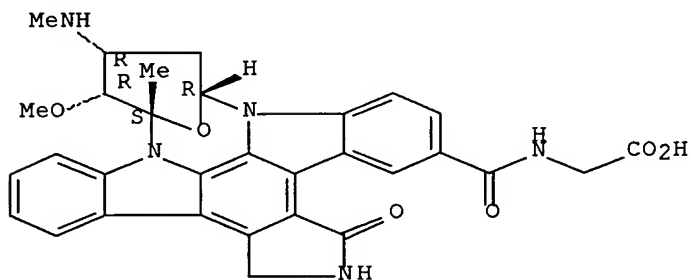


RN 320384-32-5 CAPLUS

CN Glycine, N-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

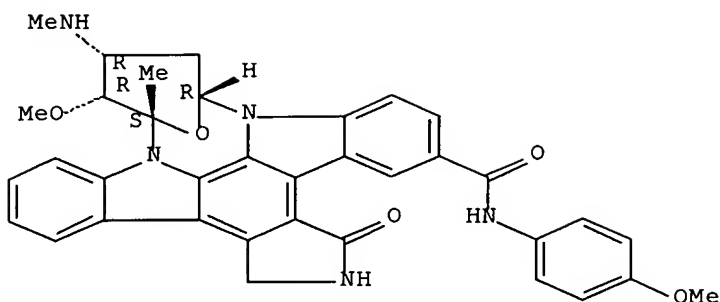


RN 320384-33-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, 2,3,10,11,12,13-hexahydro-12-methoxy-

N-(4-methoxyphenyl)-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

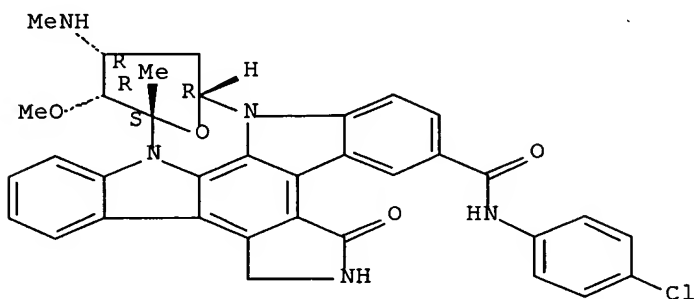
Absolute stereochemistry.



RN 320384-34-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxamide, N-(4-chlorophenyl)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)-
(9CI) (CA INDEX NAME)

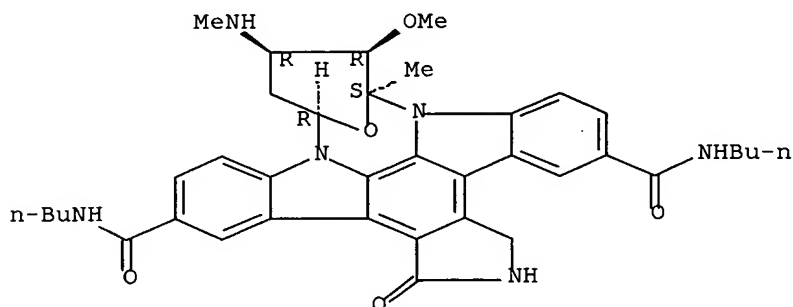
Absolute stereochemistry.



RN 320384-35-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxamide, N,N'-dibutyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

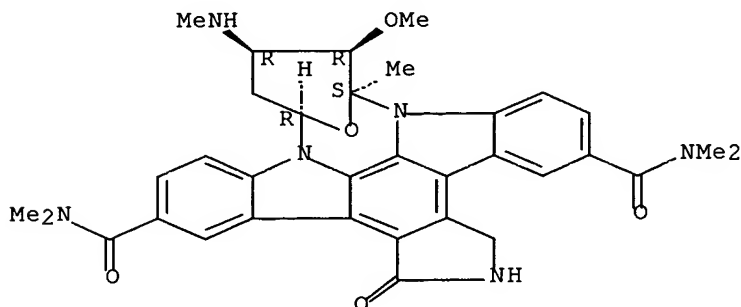


RN 320384-36-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

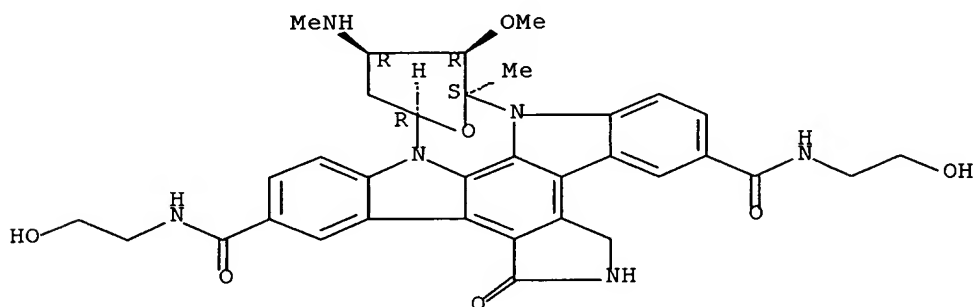
j][1,7]benzodiazonine-5,17-dicarboxamide, 2,3,10,11,12,13-hexahydro-10-methoxy-N,N,N',N',9-pentamethyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



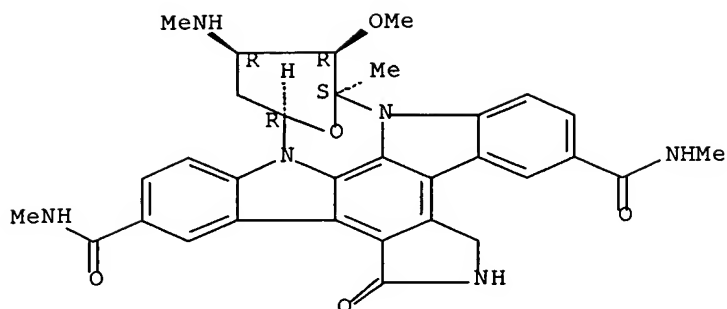
RN 320384-37-0 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxamide, 2,3,10,11,12,13-hexahydro-N,N'-bis(2-hydroxyethyl)-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-38-1 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxamide, 2,3,10,11,12,13-hexahydro-10-methoxy-N,N',9-trimethyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)-
(9CI)
(CA INDEX NAME)

Absolute stereochemistry.



IT 135384-18-8P 135384-19-9P 135384-20-2P
 135384-21-3P 138585-98-5P 320384-39-2P
 320384-40-5P 320384-41-6P 320384-42-7P
 320384-43-8P 320384-44-9P 320384-50-7P
 320384-51-8P 320384-54-1P 320384-55-2P
 320384-56-3P 320384-57-4P 320384-58-5P
 320384-59-6P 320384-60-9P 320384-61-0P
 320384-62-1P 320384-63-2P 320384-64-3P
 320384-65-4P 320384-66-5P 320384-67-6P
 320384-68-7P 320384-69-8P 320384-70-1P
 320384-71-2P 320384-72-3P 320384-73-4P
 320384-74-5P 320384-75-6P 320384-76-7P
 320384-77-8P 320384-78-9P 320384-79-0P
 320384-80-3P 320384-84-7P 320384-85-8P
 320384-86-9P 320384-87-0P 320384-88-1P
 320384-89-2P 320384-90-5P 320384-91-6P
 320384-92-7P 320384-93-8P 320384-94-9P
 320384-95-0P 320384-96-1P 320384-97-2P
 320384-98-3P 320384-99-4P 320385-02-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

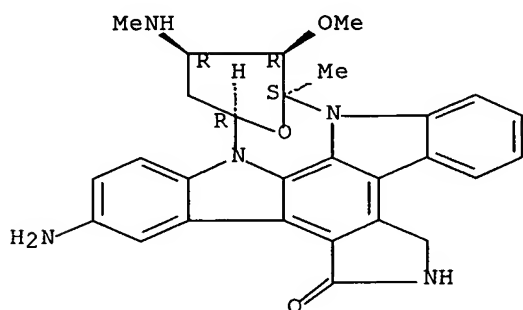
(Reactant or reagent)

(prepn. of staurosporin derivs. as antitumor agents)

RN 135384-18-8 CAPLUS

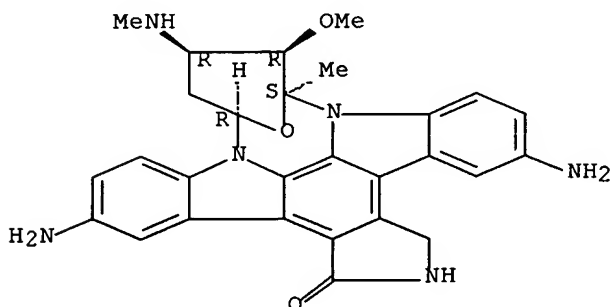
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



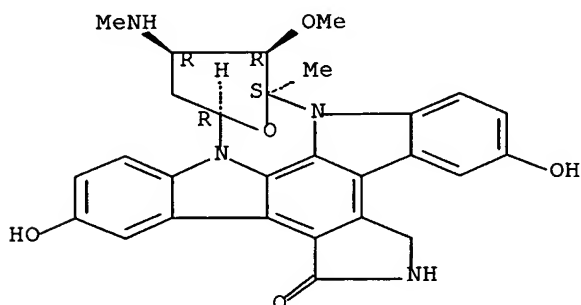
RN 135384-19-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



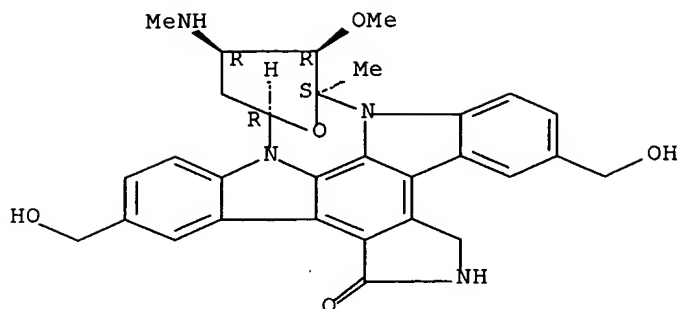
RN 135384-20-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 135384-21-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

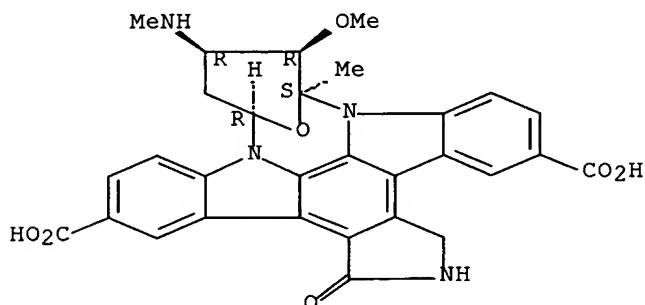
Absolute stereochemistry.



RN 138585-98-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

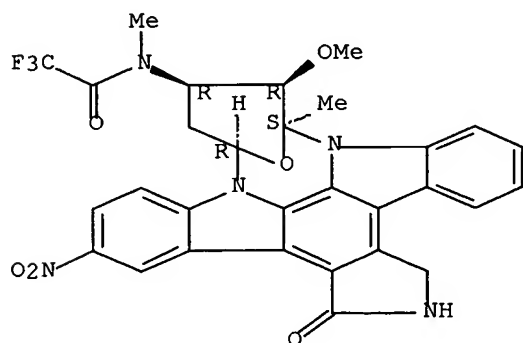
Absolute stereochemistry.



RN 320384-39-2 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

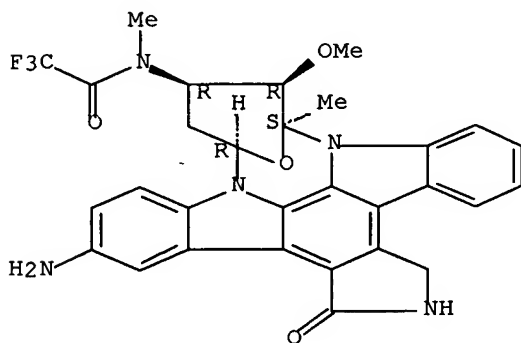


RN 320384-40-5 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.

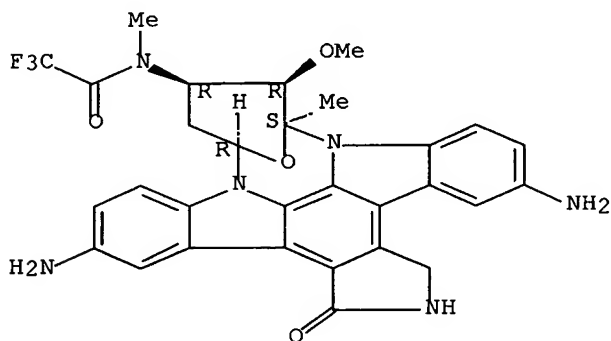


RN 320384-41-6 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI) (CA INDEX NAME)

Absolute stereochemistry.

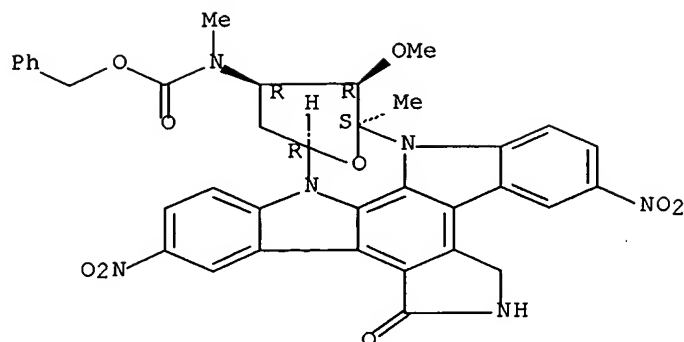


RN 320384-42-7 CAPLUS

CN Carbamic acid, [(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester

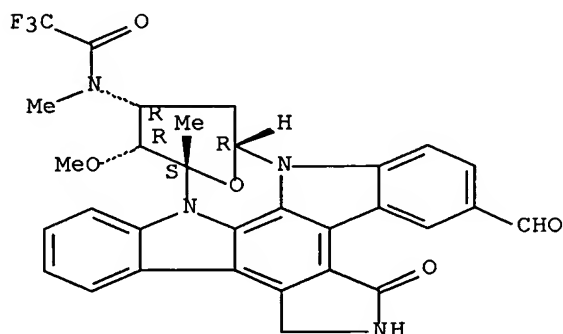
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



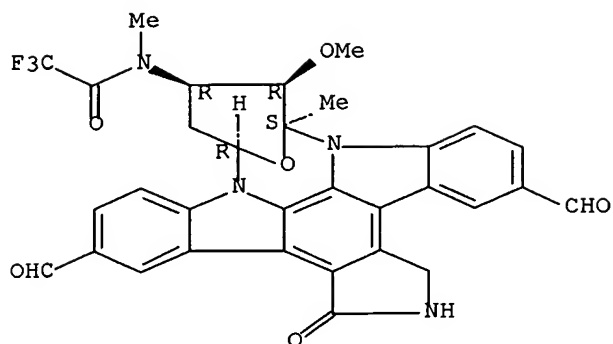
RN 320384-43-8 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-17-formyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



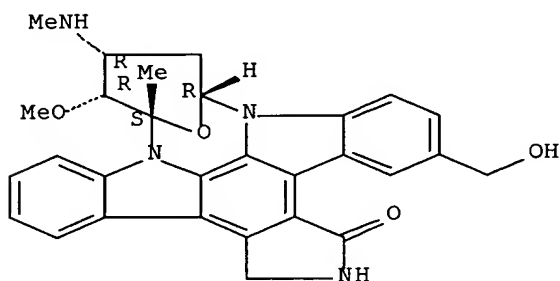
RN 320384-44-9 CAPLUS
 CN Acetamide, N-[(9S,10R,11R,13R)-5,17-diformyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



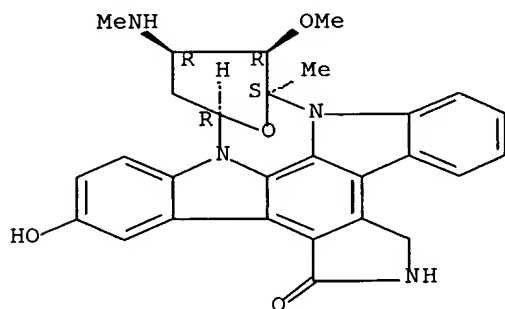
RN 320384-50-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-51-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

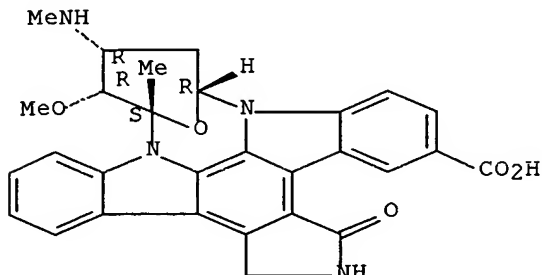
Absolute stereochemistry.



RN 320384-54-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxylic acid, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-(methylamino)-3-oxo-, (9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

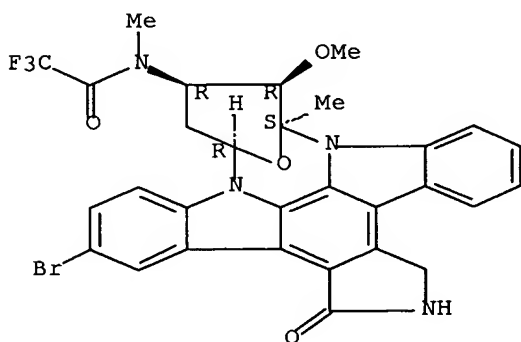
Absolute stereochemistry.



RN 320384-55-2 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI)
(CA INDEX NAME)

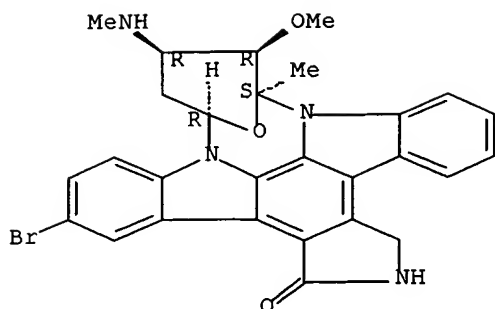
Absolute stereochemistry.



RN 320384-56-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-57-4 CAPLUS

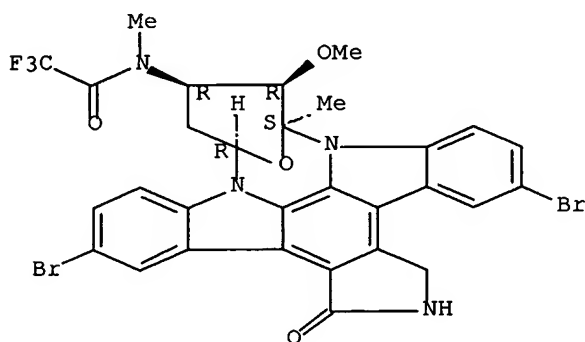
CN Acetamide, N-[(9S,10R,11R,13R)-5,17-dibromo-2,3,10,11,12,13-hexahydro-10-

methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI)

(CA INDEX NAME)

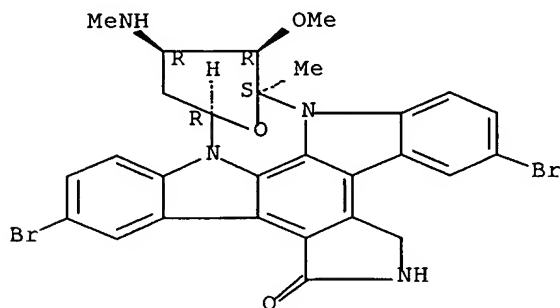
Absolute stereochemistry.



RN 320384-58-5 CAPLUS

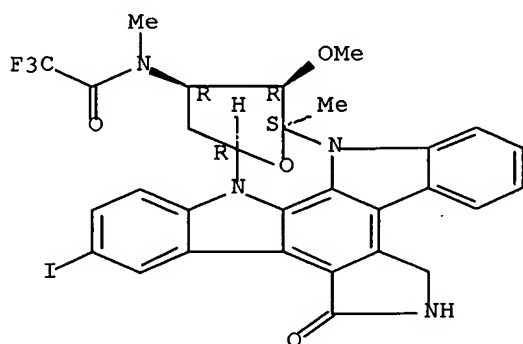
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-dibromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



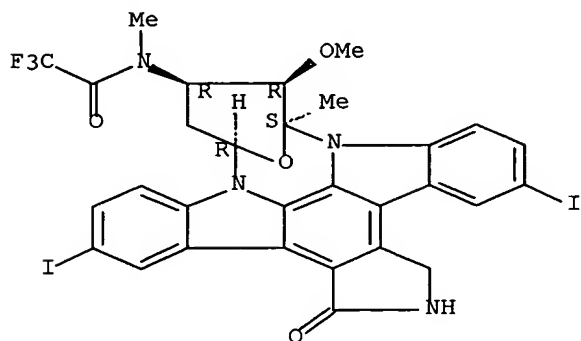
RN 320384-59-6 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-7-iodo-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



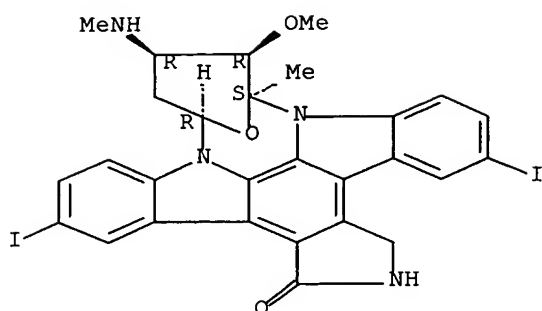
RN 320384-60-9 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-5,17-diiodo-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-61-0 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-diiodo-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

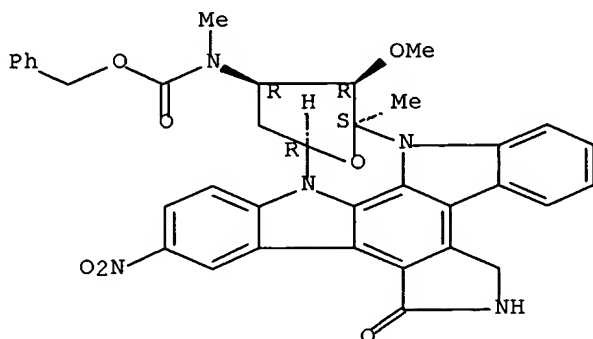
Absolute stereochemistry.



RN 320384-62-1 CAPLUS

CN Carbamic acid, [(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

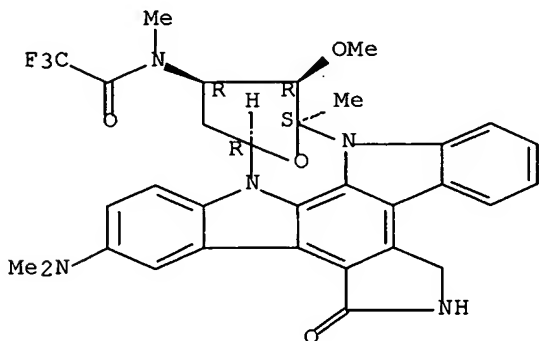
Absolute stereochemistry.



RN 320384-63-2 CAPLUS

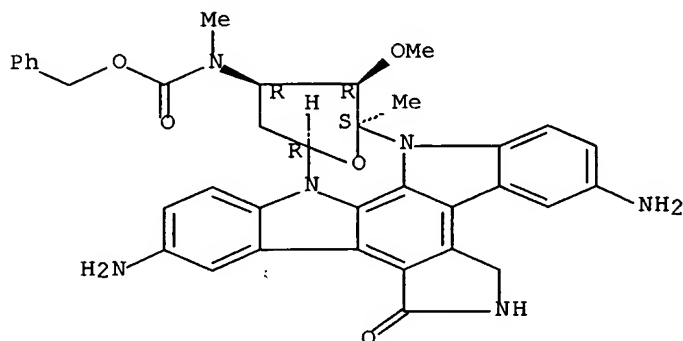
CN Acetamide, N-[(9S,10R,11R,13R)-17-(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



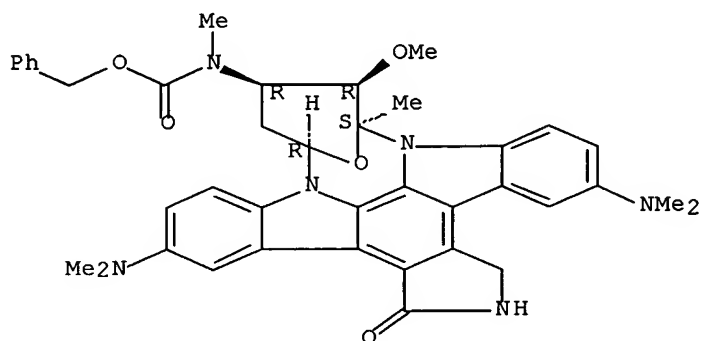
RN 320384-64-3 CAPLUS
 CN Carbamic acid, [(9S,10R,11R,13R)-5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



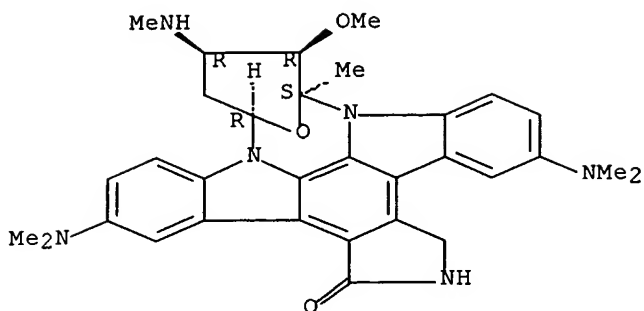
RN 320384-65-4 CAPLUS
 CN Carbamic acid, [(9S,10R,11R,13R)-5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-66-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



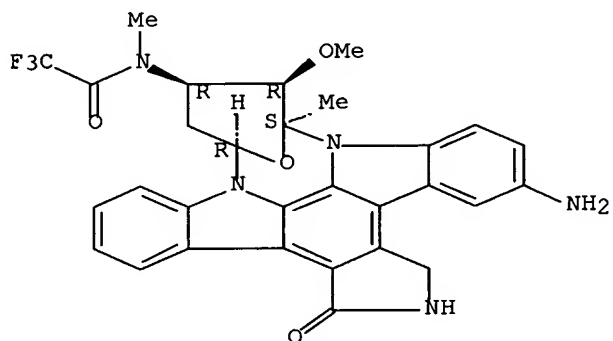
RN 320384-67-6 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-5-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl-

(9CI)

(CA INDEX NAME)

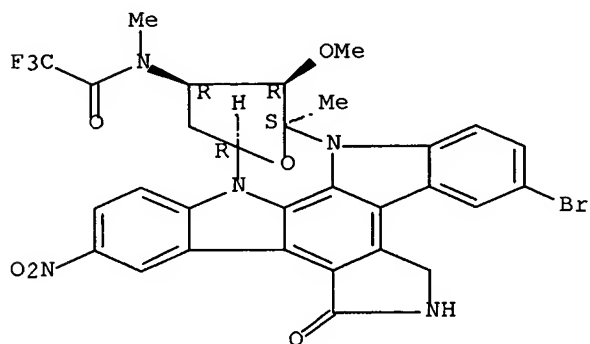
Absolute stereochemistry.



RN 320384-68-7 CAPLUS

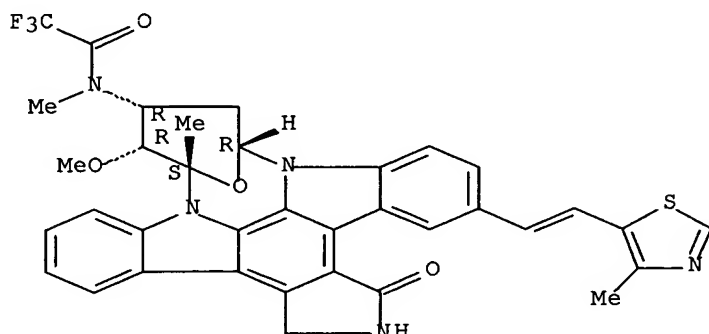
CN Acetamide, N-[(9S,10R,11R,13R)-5-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



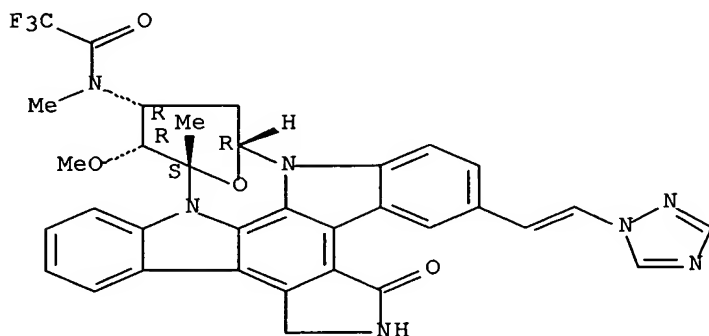
RN 320384-69-8 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-[2-(4-methyl-5-thiazolyl)ethenyl]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



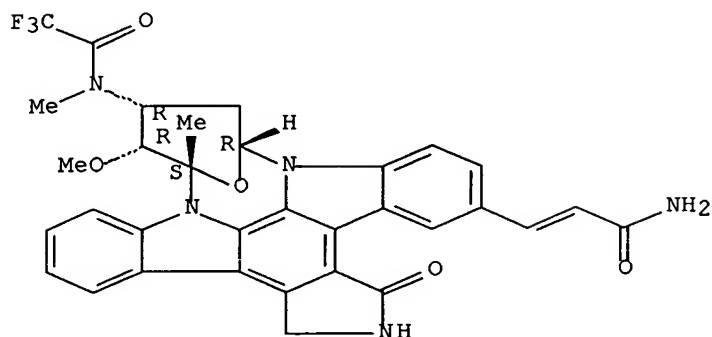
RN 320384-70-1 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[2-(1H-1,2,4-triazol-1-yl)ethenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



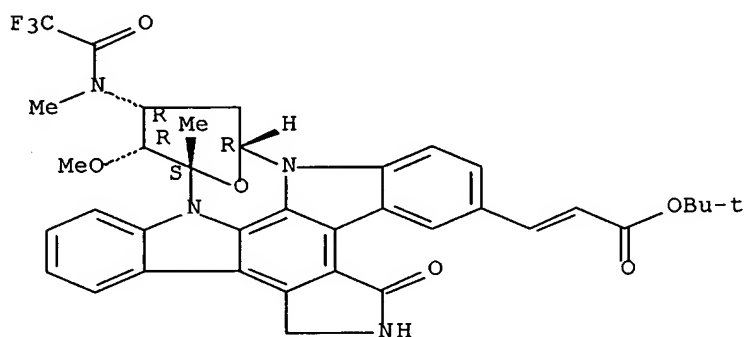
RN 320384-71-2 CAPLUS
 CN 2-Propenamide, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



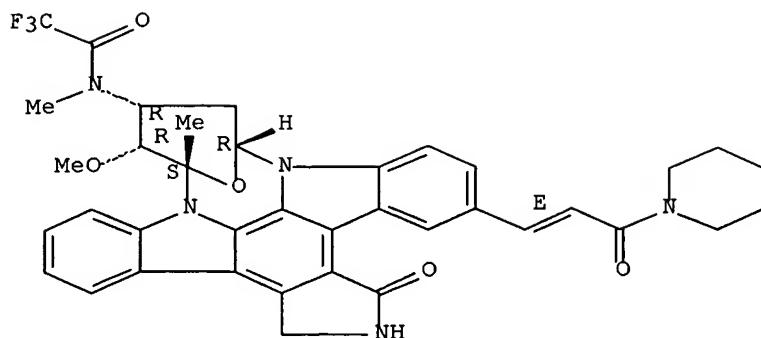
RN 320384-72-3 CAPLUS
CN 2-Propenoic acid, 3-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



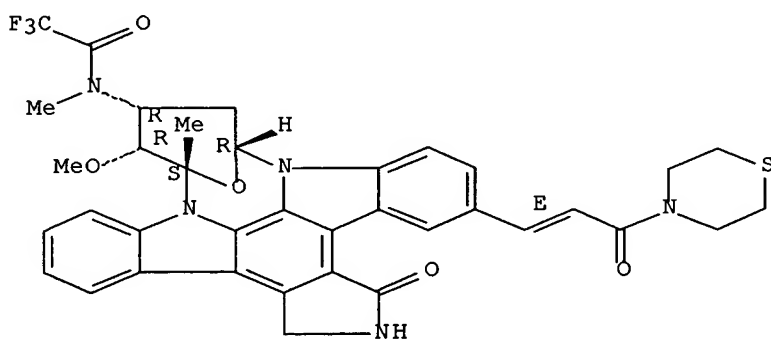
RN 320384-73-4 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(1E)-3-oxo-3-(1-piperidinyl)-1-propenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



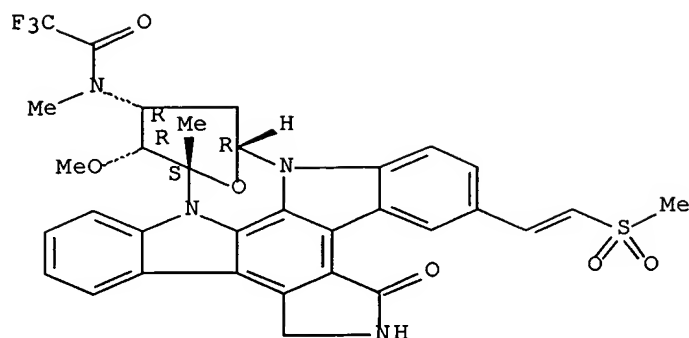
RN 320384-74-5 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(1E)-3-oxo-3-(4-thiomorpholinyl)-1-propenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



RN 320384-75-6 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-[2-(methylsulfonyl)ethenyl]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

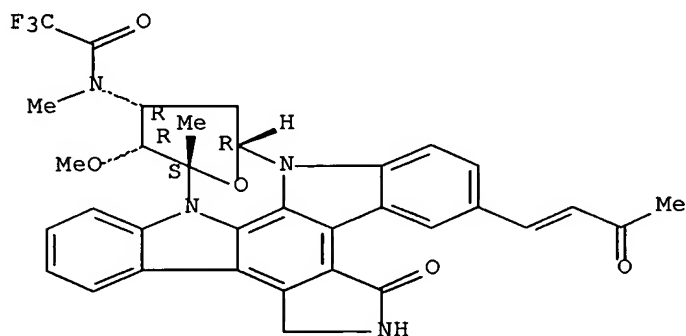
Absolute stereochemistry.
 Double bond geometry unknown.



RN 320384-76-7 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(1E)-3-oxo-1-butenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

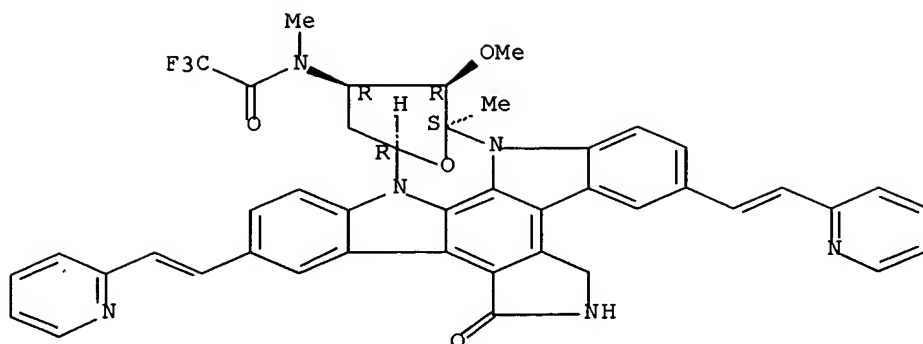
Absolute stereochemistry.
Double bond geometry unknown.



RN 320384-77-8 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-5,17-bis[2-(2-pyridinyl)ethenyl]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

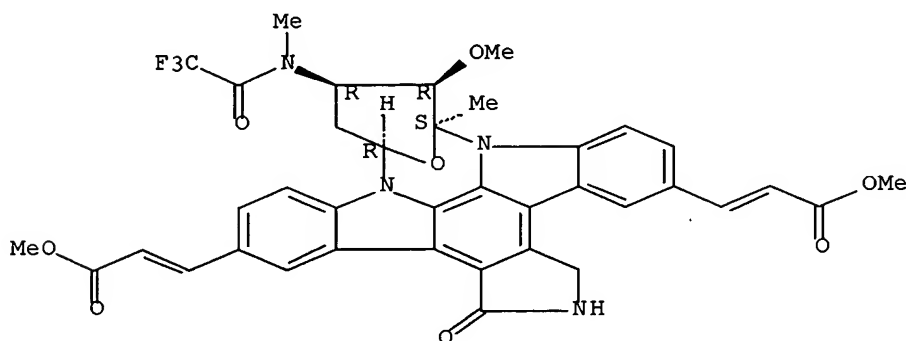


RN 320384-78-9 CAPLUS

CN 2-Propenoic acid, 3,3'-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl (trifluoroacetyl) amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis-, dimethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

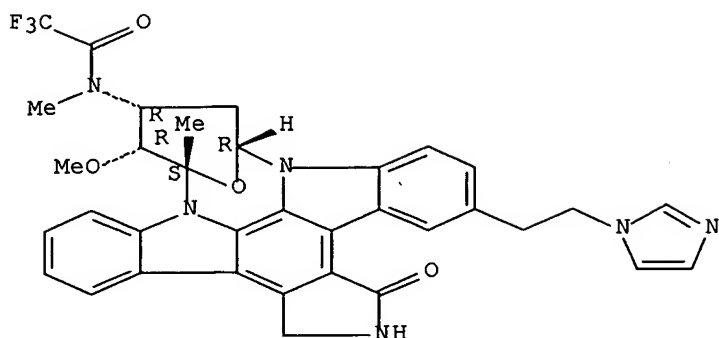
Double bond geometry unknown.



RN 320384-79-0 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-17-[2-(1H-imidazol-1-yl)ethyl]-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

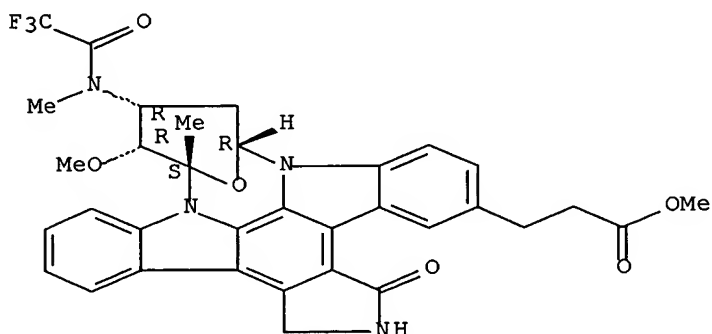
Absolute stereochemistry.



RN 320384-80-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-propanoic acid, 2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-, methyl ester,
(9R,11R,12R,13S)- (9CI) (CA INDEX NAME)

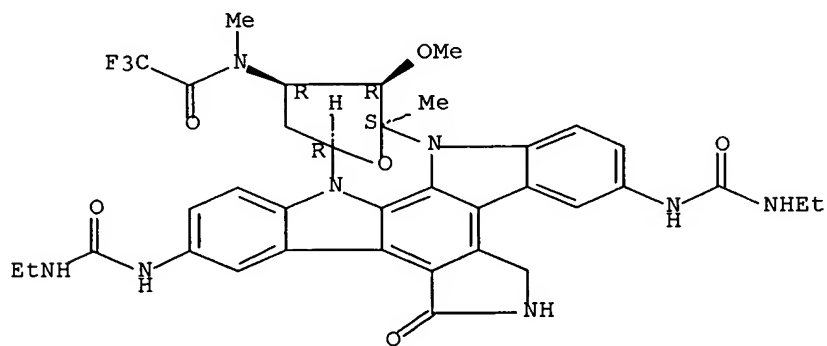
Absolute stereochemistry.



RN 320384-84-7 CAPLUS

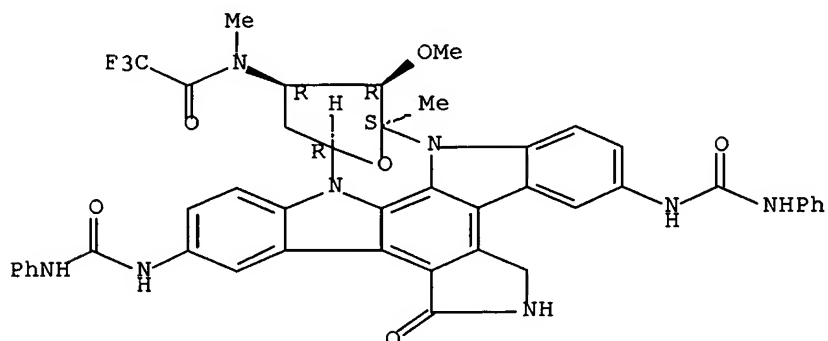
CN Acetamide, N-[(9S,10R,11R,13R)-5,17-bis[[(ethylamino) carbonyl] amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



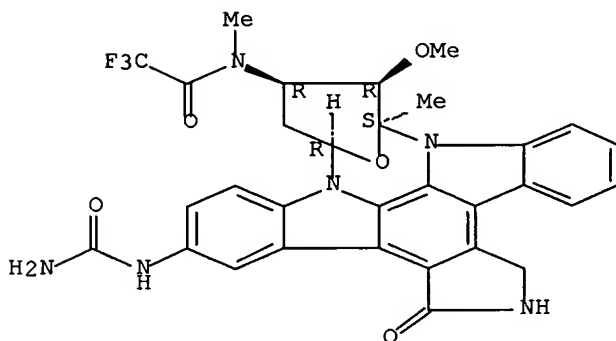
RN 320384-85-8 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-5,17-bis[[(phenylamino) carbonyl] amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



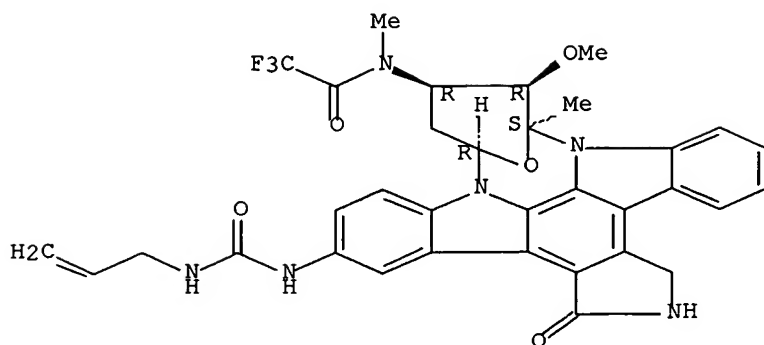
RN 320384-86-9 CAPLUS
 CN Acetamide, N-[(9S,10R,11R,13R)-17-[(aminocarbonyl) amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 320384-87-0 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[[(2-propenylamino) carbonyl] amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

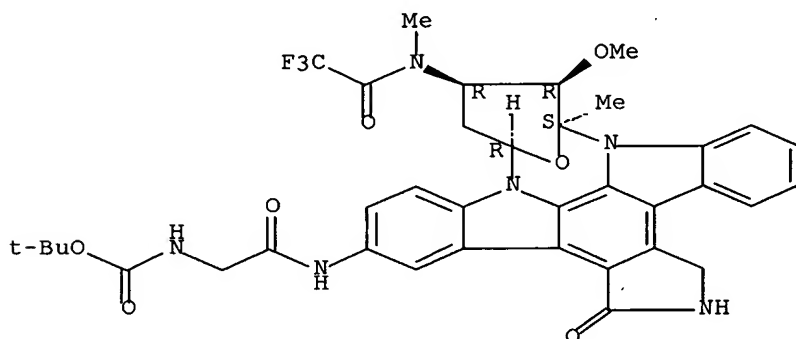
Absolute stereochemistry.



RN 320384-88-1 CAPLUS

CN Carbamic acid, [2-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

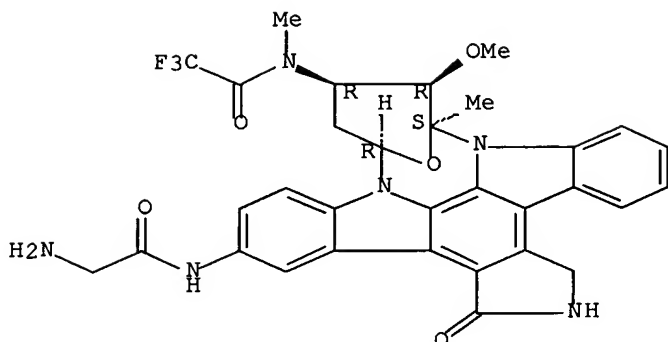
Absolute stereochemistry.



RN 320384-89-2 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[(aminoacetyl)amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

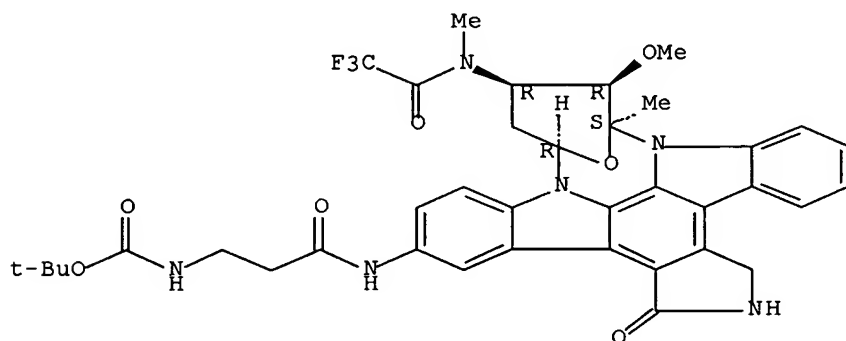
Absolute stereochemistry.



RN 320384-90-5 CAPLUS

CN Carbamic acid, [3-[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

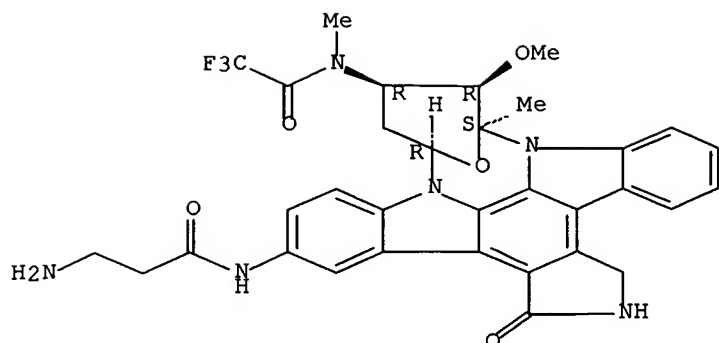
Absolute stereochemistry.



RN 320384-91-6 CAPLUS

CN Propanamide, 3-amino-N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]- (9CI) (CA INDEX NAME)

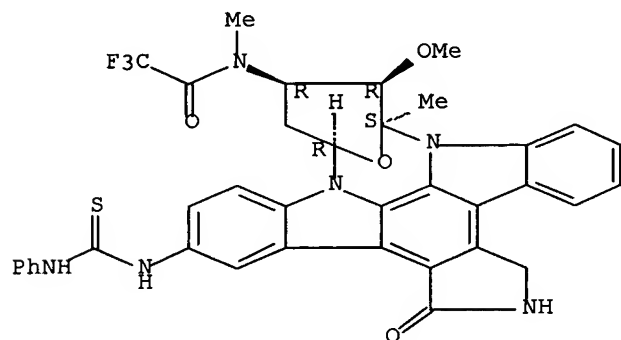
Absolute stereochemistry.



RN 320384-92-7 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(phenylamino)thioxomethyl]amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

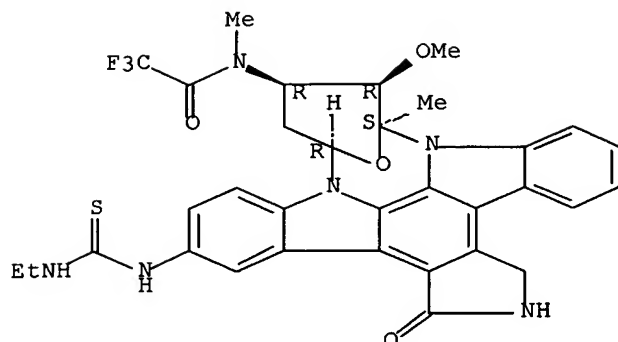
Absolute stereochemistry.



RN 320384-93-8 CAPLUS

CN Acetamide, N-[(9S,10R,11R,13R)-17-[(ethylamino)thioxomethyl]amino]-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

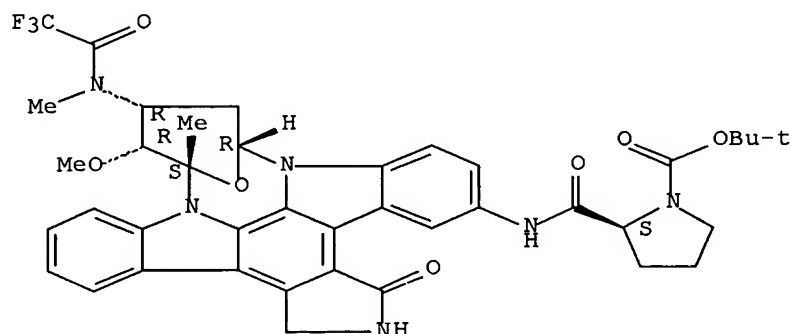
Absolute stereochemistry.



RN 320384-94-9 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]amino]carbonyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

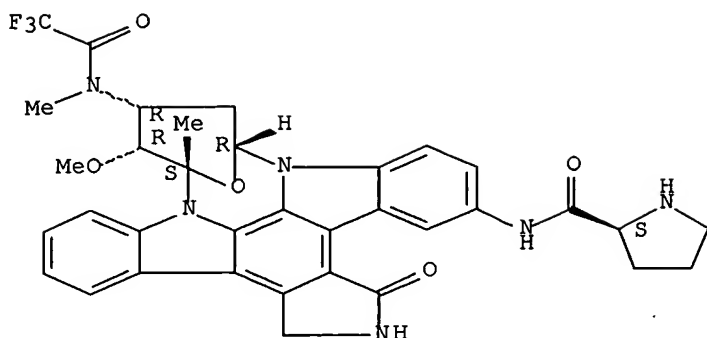
Absolute stereochemistry.



RN 320384-95-0 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[(9R,11R,12R,13S)-2,3,10,11,12,13-hexahydro-12-methoxy-13-methyl-11-[methyl(trifluoroacetyl)amino]-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, (2S)- (9CI) (CA INDEX NAME)

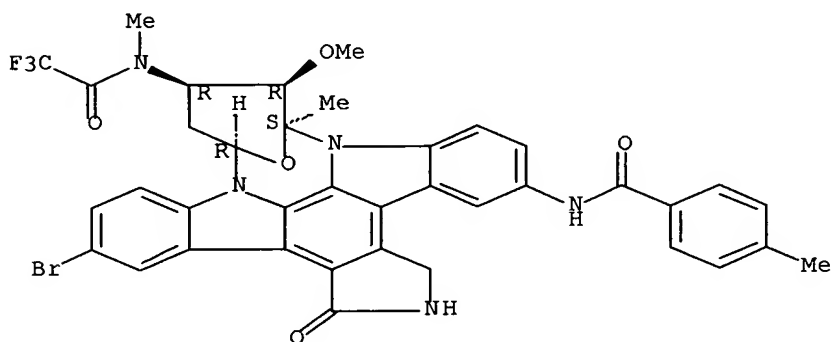
Absolute stereochemistry.



RN 320384-96-1 CAPLUS

CN Benzamide, N-[(9S,10R,11R,13R)-17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl(trifluoroacetyl)amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methyl- (9CI) (CA INDEX NAME)

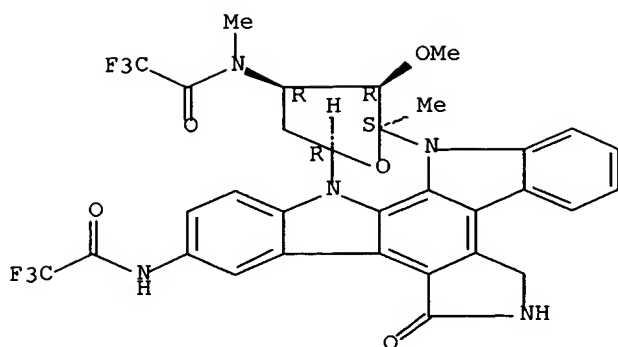
Absolute stereochemistry.



RN 320384-97-2 CAPLUS

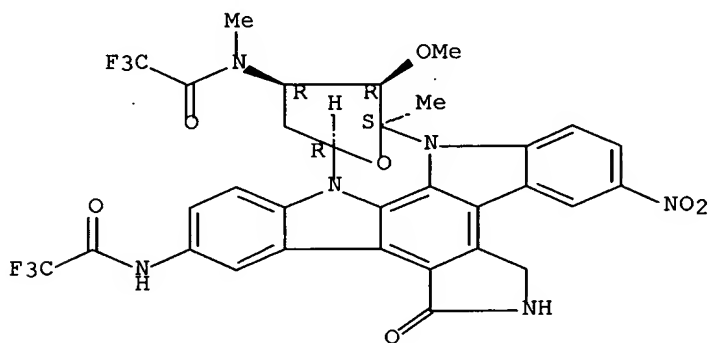
CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(trifluoroacetyl)amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



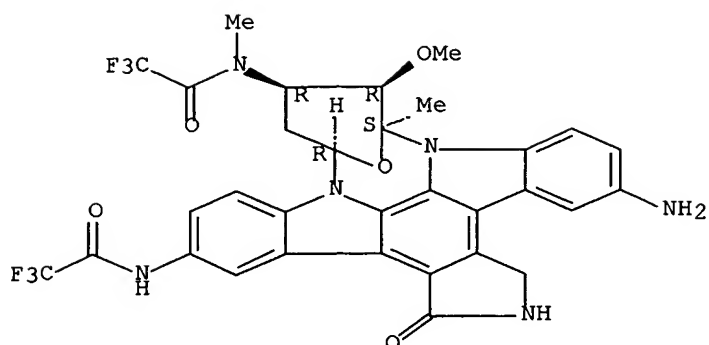
RN 320384-98-3 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5-nitro-1-oxo-17-[(trifluoroacetyl)amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



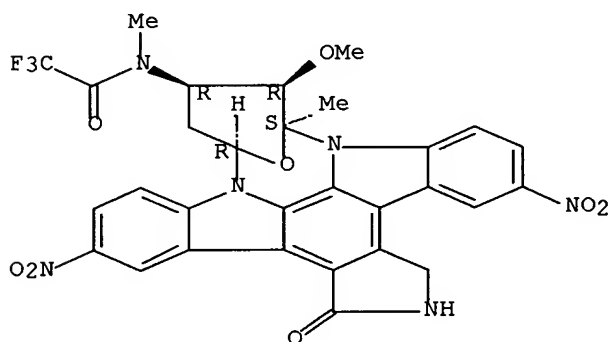
RN 320384-99-4 CAPLUS
 CN Acetamide, N-[(9S,10R,11R,13R)-5-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-[(trifluoroacetyl)amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-2,2,2-trifluoro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



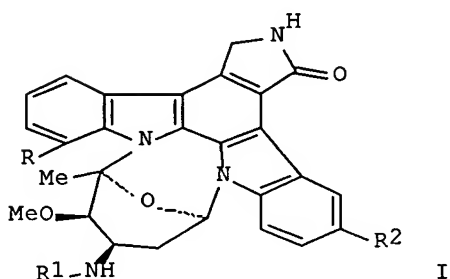
RN 320385-02-2 CAPLUS
 CN Acetamide, 2,2,2-trifluoro-N-[(9S,10R,11R,13R)-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



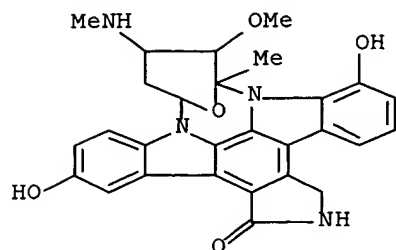
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:269598 CAPLUS
 DN 133:14836
 TI A new staurosporine analog from the prosobranch mollusk *Coriocella nigra*
 AU Cantrell, Charles L.; Groweiss, Amiram; Gustafson, Kirk R.; Boyd, Michael R.
 CS Division of Cancer Treatment, Diagnosis, Laboratory of Drug Discovery Research and Development, Developmental Therapeutics Program, Frederick, MD, 21702-1201, USA
 SO Natural Product Letters (1999), 14(1), 39-46
 CODEN: NPLEEF; ISSN: 1057-5634
 PB Harwood Academic Publishers
 DT Journal
 LA English
 GI



AB A new staurosporine analog, 4'-N-demethyl-11-hydroxystaurosporine I (R = OH, R1 = R2 = H), was isolated by cytotoxicity-guided fractionation of an org. ext. of the prosobranch mollusk *Coriocella nigra*. The known staurosporine deriv. 3,11-dihydroxystaurosporine I (R = R2 = OH, R1 = Me) was also isolated from this ext. Concurrent investigations of *Coriocella hibiya* resulted in the isolation of two known compds., lamellarins C and U. The structures of all four alkaloids were elucidated by spectroscopic methods and the compds. were evaluated for cytotoxicity against 10 human tumor cell lines. 4'-N-demethyl-11-hydroxystaurosporine and 3,11-dihydroxystaurosporine demonstrated potent cytotoxic activity with IC50's ranging from approx. 2 to 66 ng/mL.
 IT **143682-18-2P**, 3,11-Dihydroxystaurosporine **272766-45-7P**, 4'-N-Demethyl-11-hydroxystaurosporine
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
 (isolation, antitumor activity, and mol. structure of 4'-N-demethyl-11-hydroxystaurosporine, a new staurosporine analog from the prosobranch mollusk, *Coriocella nigra*)
 RN 143682-18-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX

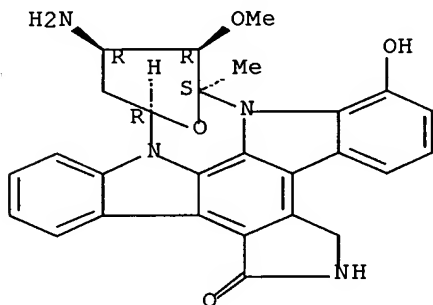
NAME)



RN 272766-45-7 CAPLUS

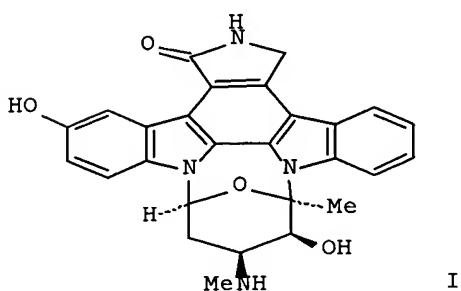
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



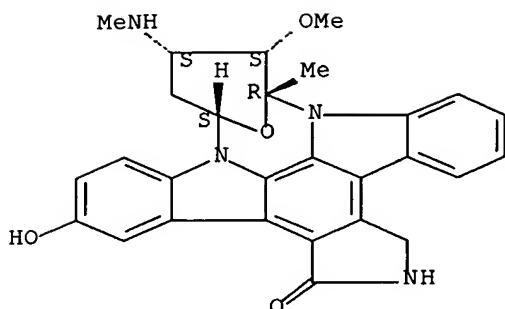
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:346583 CAPLUS
 DN 131:182513
 TI Staurosporine derivatives from the ascidian *Eudistoma toaealensis* and its predatory flatworm *Pseudoceros* sp.
 AU Schupp, Peter; Eder, Claudia; Proksch, Peter; Wray, Victor; Schneider, Bernd; Herderich, Markus; Paul, Valerie
 CS Lehrstuhl fuer Pharmazeutische Biologie, Julius-von-Sachs-Institut fuer Biowissenschaften, Wuerzburg, D-97082, Germany
 SO Journal of Natural Products (1999), 62(7), 959-962
 CODEN: JNPRDF; ISSN: 0163-3864
 PB American Chemical Society
 DT Journal
 LA English
 GI



AB Two new indolocarbazole alkaloids, 3-hydroxy-3'-demethoxy-3'-hydroxystaurosporine (I) and 11-hydroxy-4'-N-demethylstaurosporine, were isolated from the marine ascidian *Eudistoma toaealensis* and its predator, the marine flatworm *Pseudoceros* sp. In addn., five known derivs. were isolated in their protonated states, which caused the pyran-ring system to adopt a boat conformation. The structures were detd. by 1D and 2D homonuclear and 1H-detected heteronuclear NMR spectroscopy and from comparisons with published data. The heteronuclear correlations were necessary to establish reliable data for the structure elucidation.
 IT 239785-02-5
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)
 (staurosporine derivs. from ascidian *Eudistoma toaealensis* and predatory flatworm *Pseudoceros* sp.)
 RN 239785-02-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



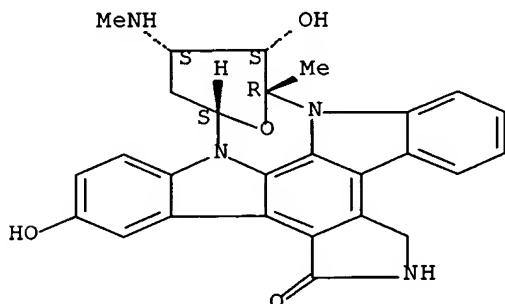
IT 239785-04-7P 239785-05-8P

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
PRP (Properties); PUR (Purification or recovery); BIOL (Biological
study); OCCU (Occurrence); PREP (Preparation)
(staurosporine derivs. from ascidian *Eudistoma toaealensis* and predatory
flatworm *Pseudoceros* sp.)

RN 239785-04-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10,17-dihydroxy-9-
methyl-11-(methylamino)-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

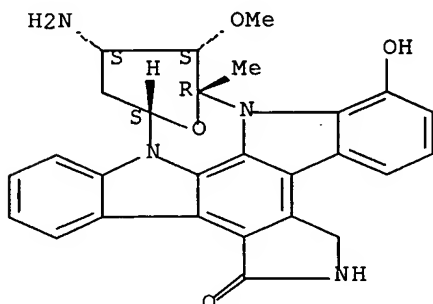
Absolute stereochemistry.



RN 239785-05-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-
hydroxy-10-methoxy-9-methyl-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

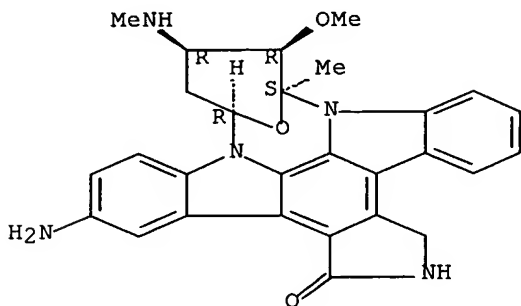
Absolute stereochemistry.



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

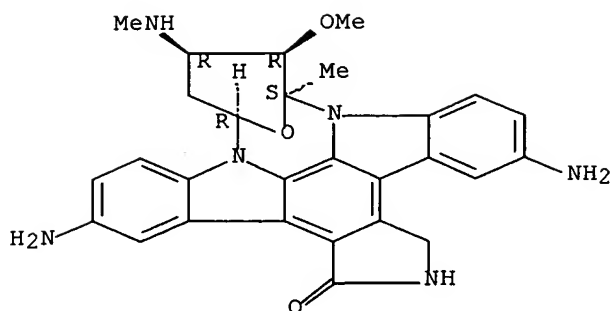
L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:652181 CAPLUS
 DN 126:19087
 TI Synthesis and anti-platelet aggregation activity of water-soluble staurosporine derivatives
 AU Yamada, Rintaro; Seto, Minoru; Sasaki, Yasuharu; Sunazuka, Toshiaki; Harigaya, Yoshihiro; Iwai, Yuzuru; Omura, Satoshi
 CS Kitasato Inst., Kitasato Univ., Tokyo, 108, Japan
 SO Journal of Antibiotics (1996), 49(10), 1070-1072
 CODEN: JANTAJ; ISSN: 0021-8820
 PB Japan Antibiotics Research Association
 DT Journal
 LA English
 AB Several substituted staurosporine derivs. were prepd. from staurosporine in order to improve the soly. The 3,9-diamino deriv. had blood platelet aggregation and protein kinase inhibiting activity similar to that of staurosporine, but its hydrochloride had a soly. of >400 mg/mL in water.
 IT **135384-18-8P 135384-19-9P 135384-20-2P 135384-21-3P 138585-98-5P**
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (prepn. and platelet aggregation-inhibiting activity of water-sol. staurosporine derivs.)
 RN 135384-18-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 135384-19-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

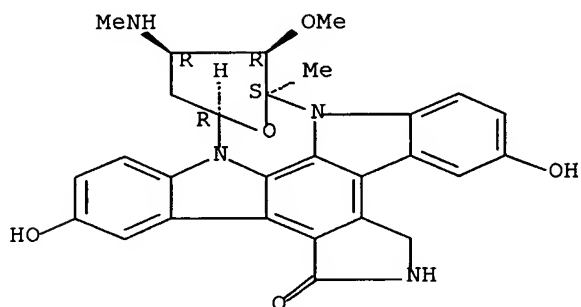
Absolute stereochemistry.



RN 135384-20-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

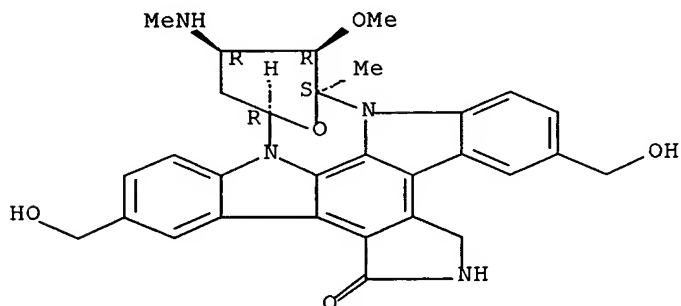
Absolute stereochemistry.



RN 135384-21-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



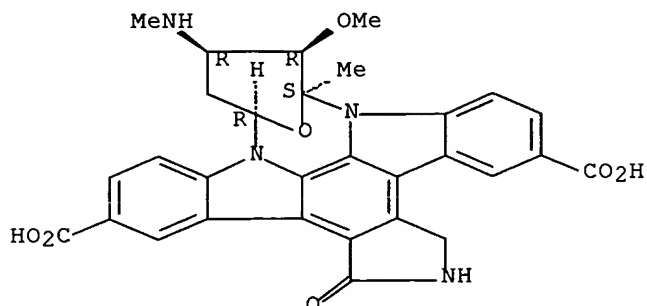
RN 138585-98-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-

10-

methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 184180-07-2P 184180-08-3P 184180-09-4P

184180-10-7P 184180-11-8P

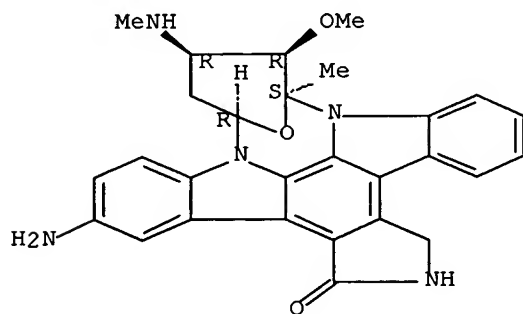
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. and platelet aggregation-inhibiting activity of water-sol. staurosporine derivs.)

RN 184180-07-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-

9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



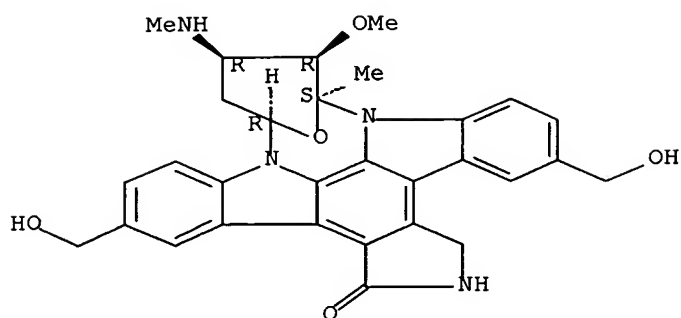
● HCl

RN 184180-08-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)

(CA INDEX NAME)

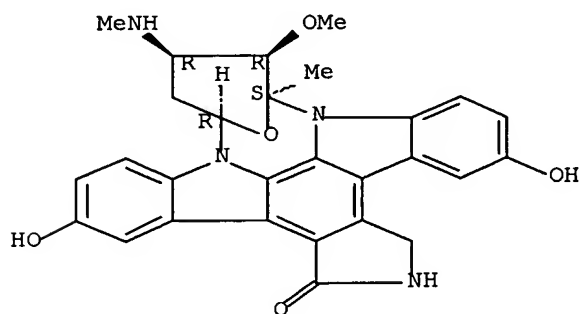
Absolute stereochemistry.



● HCl

RN 184180-09-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

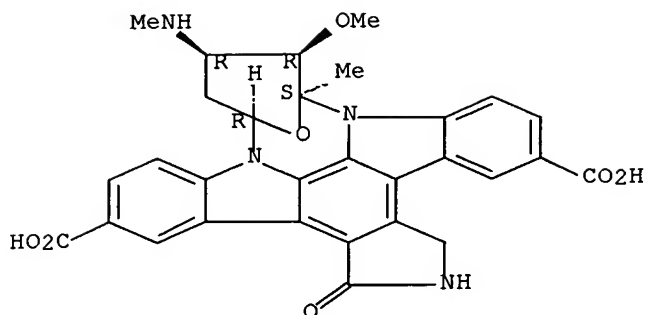
Absolute stereochemistry.



● HCl

RN 184180-10-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

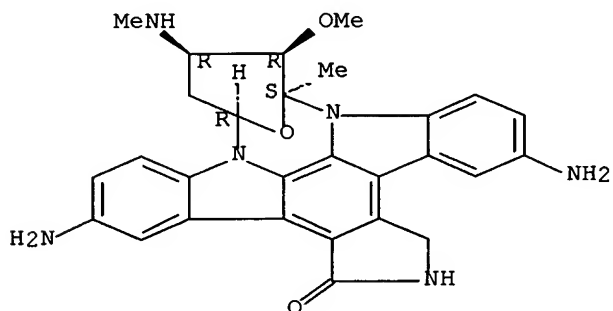
Absolute stereochemistry.



● HCl

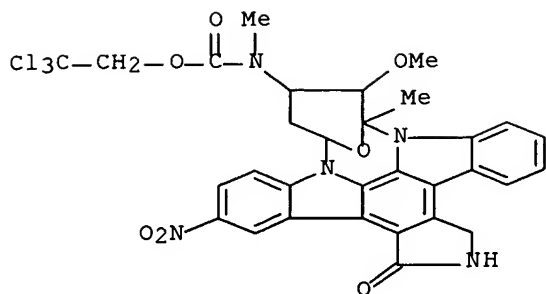
RN 184180-11-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



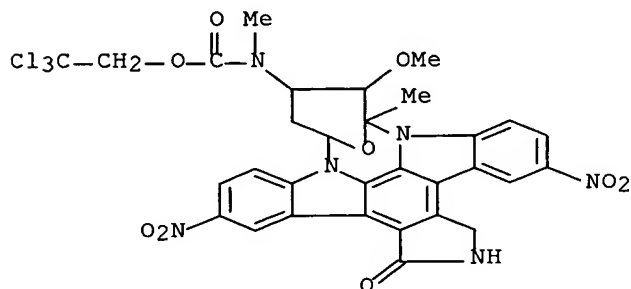
● HCl

IT 135384-27-9P 135384-28-0P 135384-29-1P
 135417-39-9P 183999-34-0P 183999-35-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent)
 (prepn. and platelet aggregation-inhibiting activity of water-sol. staurosporine derivs.)
 RN 135384-27-9 CAPLUS
 CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-28-0 CAPLUS

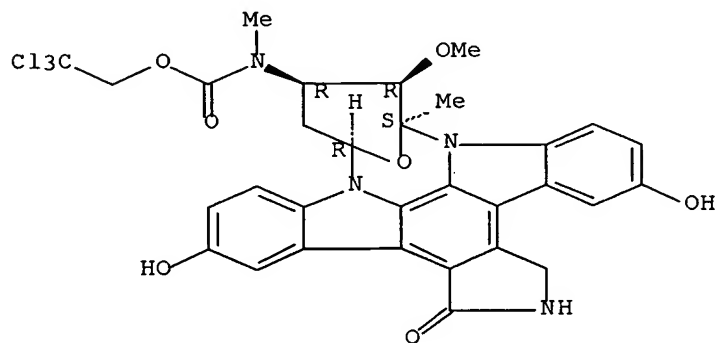
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

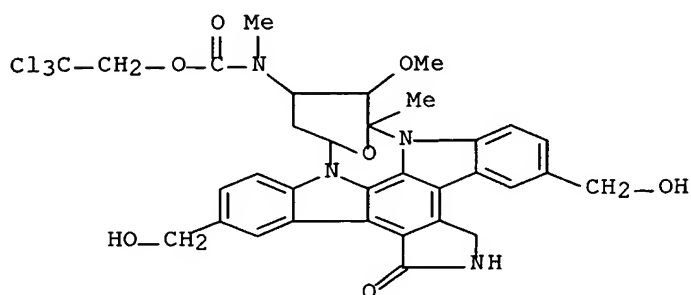
Absolute stereochemistry.



RN 135417-39-9 CAPLUS

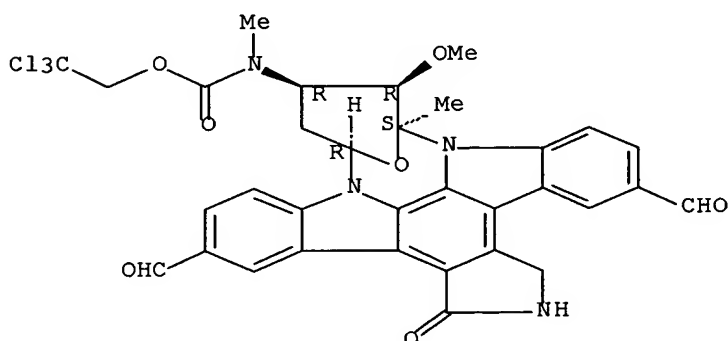
CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-

methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



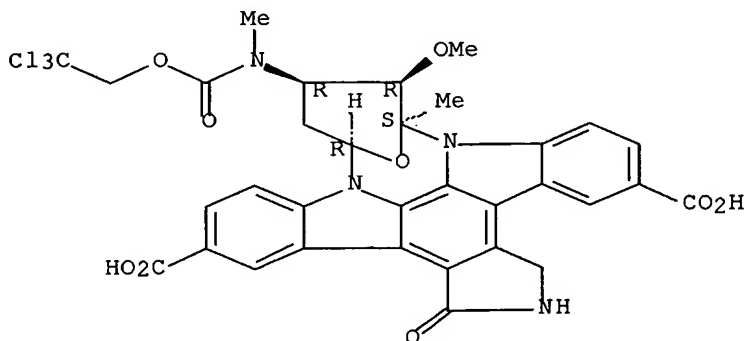
RN 183999-34-0 CAPLUS
CN Carbamic acid, (5,17-diformyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 183999-35-1 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl[(2,2,2-trichloroethoxy)carbonyl]amino]-1-oxo-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

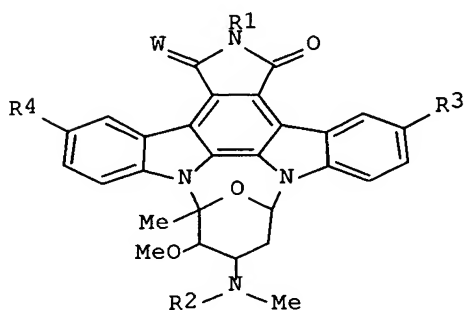
Absolute stereochemistry.



in IPS

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1995:994440 CAPLUS
 DN 124:87461
 TI Preparation of indolocarbazole derivatives for treatment of thrombocytopenia.
 IN Murakata, Chikara; Watanabe, Junichi; Saitoh, Yutaka; Shiotsu, Yukimasa; Shiraki, Takako; Kanai, Fumihiko; Tamaoki, Tatsuya; Akinaga, Shiro; Okabe, Masami
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO Eur. Pat. Appl., 36 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 672668	A1	19950920	EP 1995-103952	19950317
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE	JP 08283271	A2	19961029	JP 1995-50845	19950310
	US 5604219	A	19970218	US 1995-404961	19950316
	CA 2144941	AA	19950919	CA 1995-2144941	19950317
PRAI	JP 1994-49578		19940318		
	JP 1995-27029		19950215		
OS	MARPAT 124:87461				
GI					

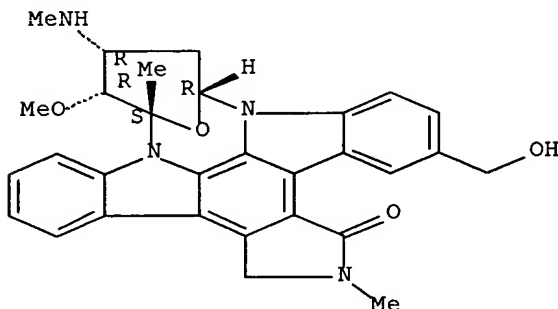


I

AB Title compds. I [R1 = (substituted) alkyl; R2 = H, (substituted) alkyl; R3, R4 = H, (substituted) amino, alkanoyloxy, etc.; W = H2, O] and their salts were prepd. Reaction of 2-methyl-17-formylstaurosporine (I; R1 = Me; R2, R4 = H; R3 = CHO; W = H2) with Me2NNH2.HCl in THF/MeOH/H2O at pH 2-4 afforded 46% I (R1 = Me; R2, R4 = H; R3 = C:NNMe2; W = H2) which showed 156% increase of the no. of blood platelets at 12.5 mg/kg in mice.
 IT 172350-40-2P 172350-41-3P 172350-45-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT

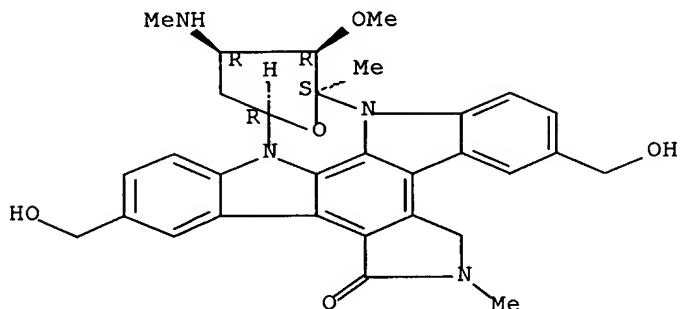
(Reactant or reagent); USES (Uses)
 (prepn. of indolocarbazole derivs. for treatment of
 thrombocytopenia.)
 RN 172350-40-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-
 (hydroxymethyl)-
 10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-
 (9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 172350-41-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-
 bis(hydroxymethyl)-10-methoxy-2,9-dimethyl-11-(methylamino)-,
 [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

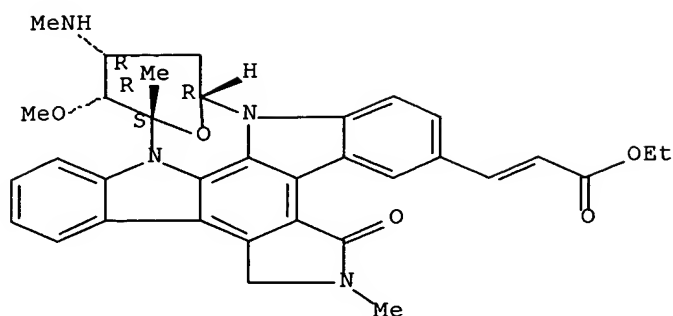
Absolute stereochemistry.



RN 172350-45-7 CAPLUS
 CN 2-Propenoic acid, 3-[2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-
 11-
 (methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-
 lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, ethyl ester,
 [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



IT 172350-42-4P 172350-43-5P 172350-44-6P
 172350-46-8P 172350-47-9P 172350-48-0P
 172350-49-1P 172350-50-4P 172350-51-5P
 172350-52-6P 172350-53-7P 172350-54-8P
 172350-55-9P 172350-56-0P 172350-57-1P
 172350-58-2P 172350-59-3P 172350-61-7P
 172350-62-8P 172350-63-9P 172350-64-0P
 172350-65-1P 172350-66-2P 172350-67-3P
 172350-68-4P 172350-69-5P 172350-70-8P
 172350-71-9P 172350-72-0P 172350-73-1P
 172350-74-2P 172350-75-3P

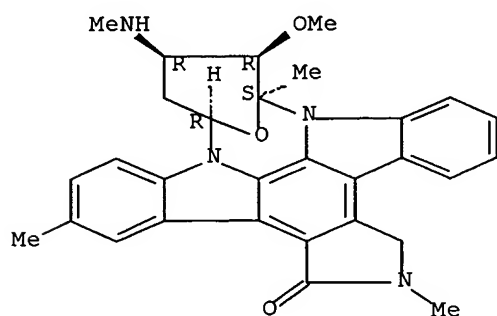
RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic
 use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of indolocarbazole derivs. for treatment of
 thrombocytopenia.)

RN 172350-42-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9,17-
 trimethyl-11-(methylamino)-, [9S-
 (9.alpha.,10.beta.,11.beta.,13.alpha.)]-
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.

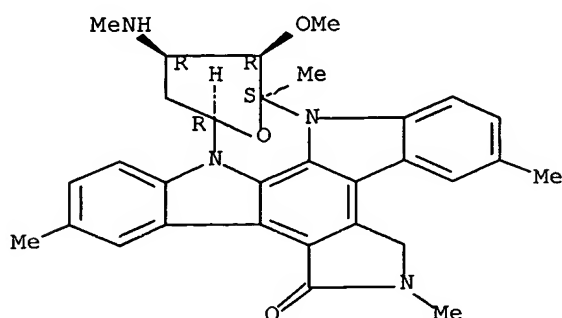


RN 172350-43-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-
 2,5,9,17-

tetramethyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

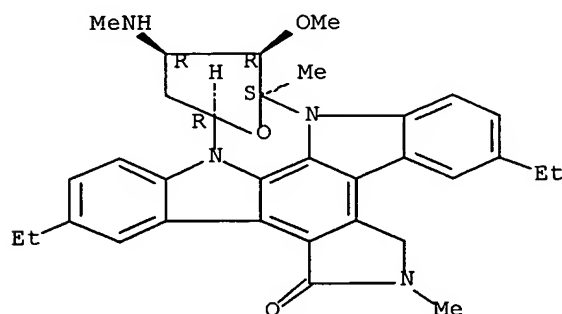
Absolute stereochemistry.



● HCl

RN 172350-44-6 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diethyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

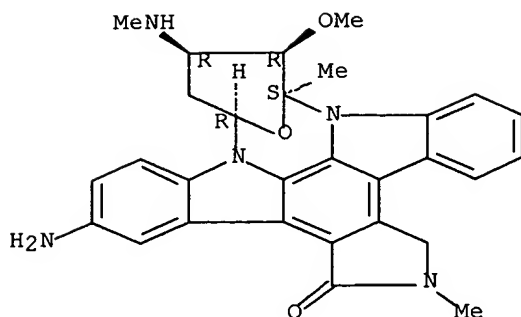
Absolute stereochemistry.



● HCl

RN 172350-46-8 CAPLUS
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, dihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

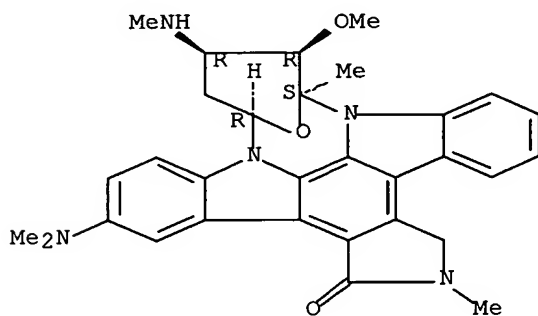
Absolute stereochemistry.



●2 HCl

RN 172350-47-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, dihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

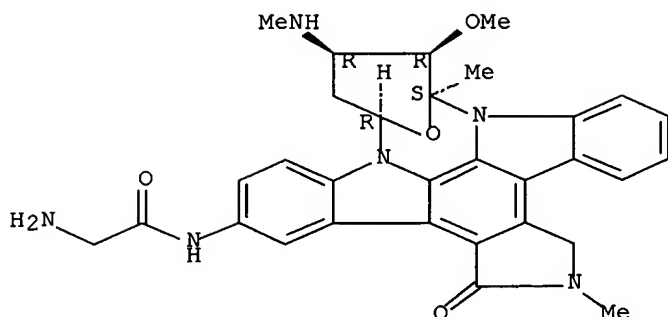
Absolute stereochemistry.



●2 HCl

RN 172350-48-0 CAPLUS
 CN Acetamide, 2-amino-N-[2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-, dihydrochloride, [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●2 HCl

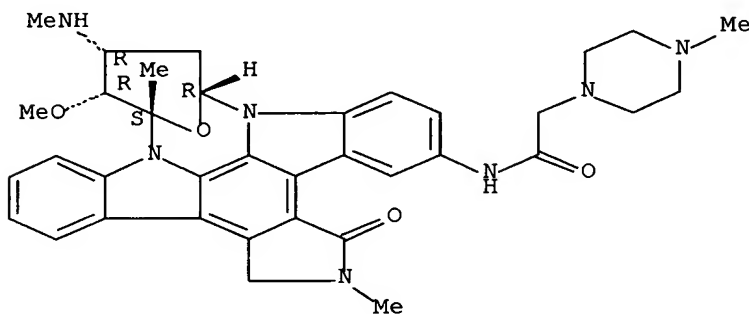
RN 172350-49-1 CAPLUS

CN 1-Piperazineacetamide, N-[2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-5-yl]-4-methyl-, trihydrochloride, [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]- (9CI)

(CA

INDEX NAME)

Absolute stereochemistry.

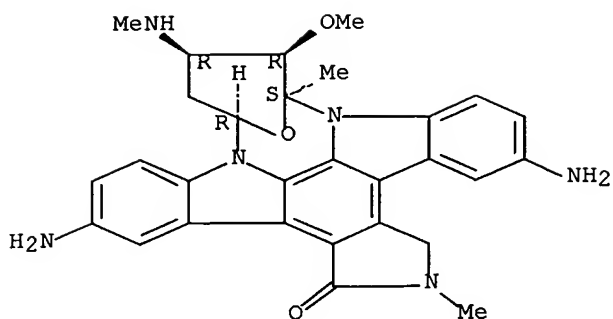


●3 HCl

RN 172350-50-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, trihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

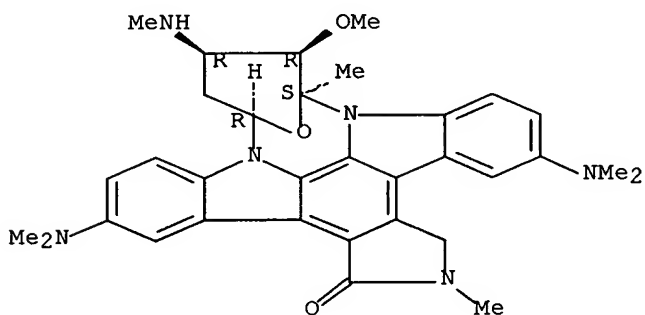


●3 HCl

RN 172350-51-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, trihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



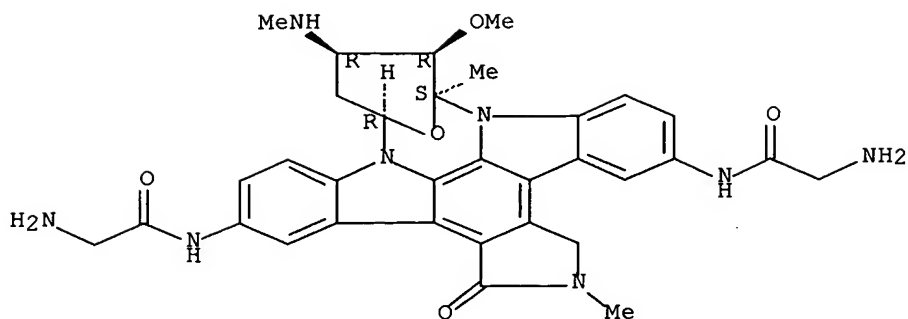
●3 HCl

RN 172350-52-6 CAPLUS

CN Acetamide, N,N'-[2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis[2-amino-, trihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)

(CA INDEX NAME)

Absolute stereochemistry.



● 3 HCl

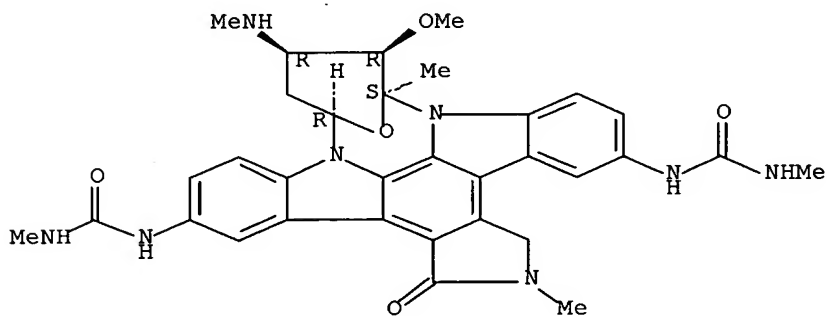
RN 172350-53-7 CAPLUS

CN Urea, N,N'-[2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis[N'-methyl-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]]- (9CI)

(CA

INDEX NAME)

Absolute stereochemistry.



● HCl

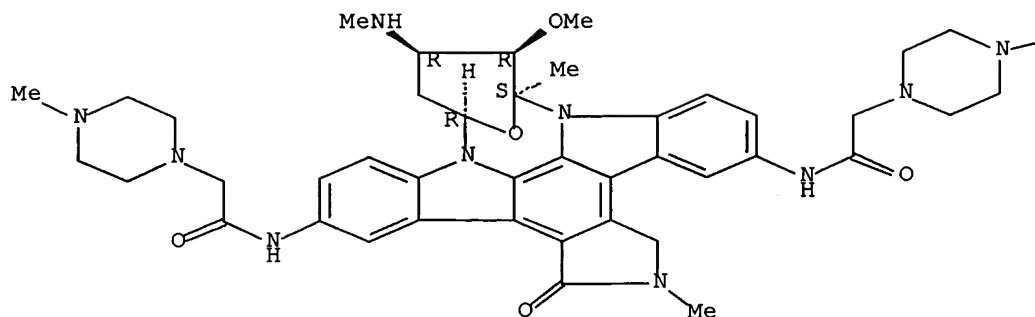
RN 172350-54-8 CAPLUS

CN 1-Piperazineacetamide, N,N'-[2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis[4-methyl-

pentahydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]]- (9CI)

(CA INDEX NAME)

Absolute stereochemistry.

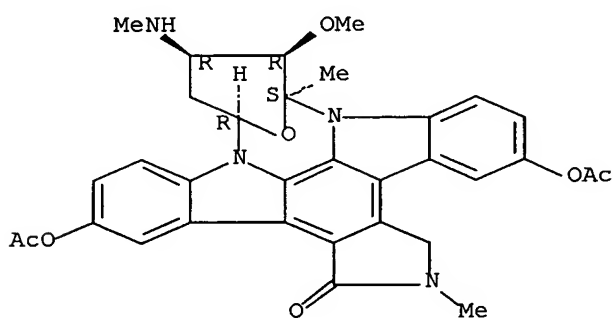


● 5 HCl

— Me

RN 172350-55-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1-one, 5,17-bis(acetyloxy)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

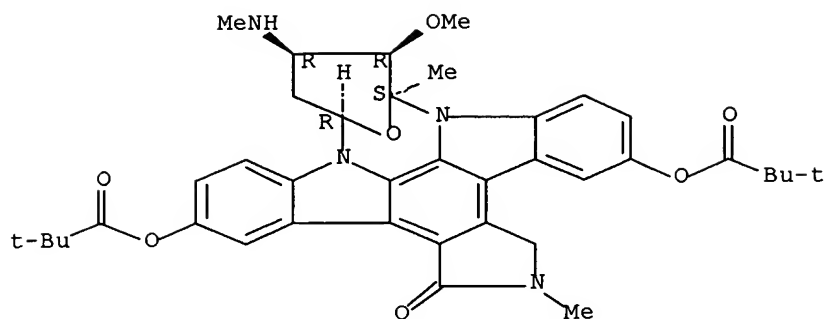
Absolute stereochemistry.



● HCl

RN 172350-56-0 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

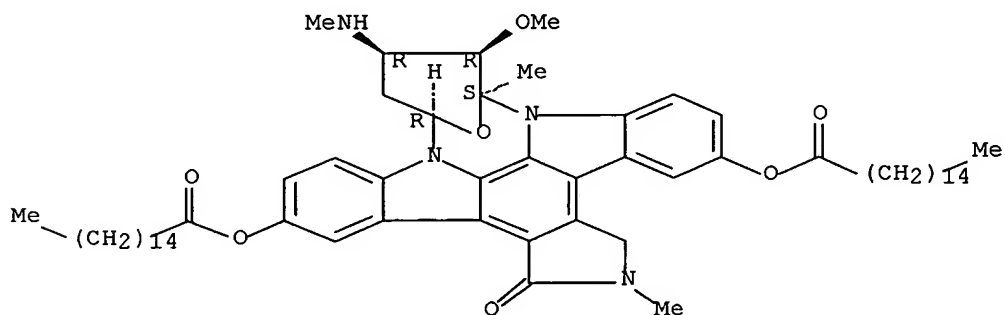


● HCl

RN 172350-57-1 CAPLUS

CN Hexadecanoic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

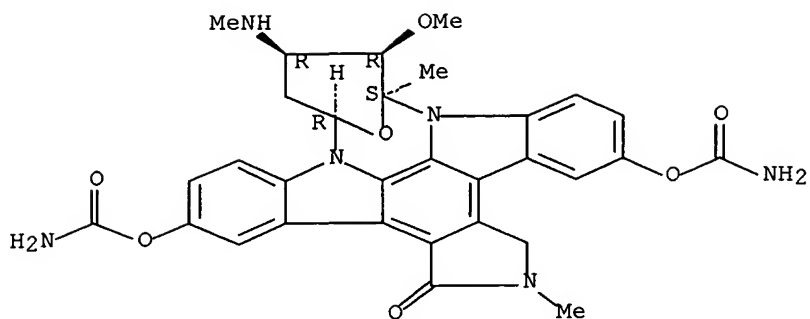


● HCl

RN 172350-58-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(aminocarbonyl)oxy]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 1 HCl

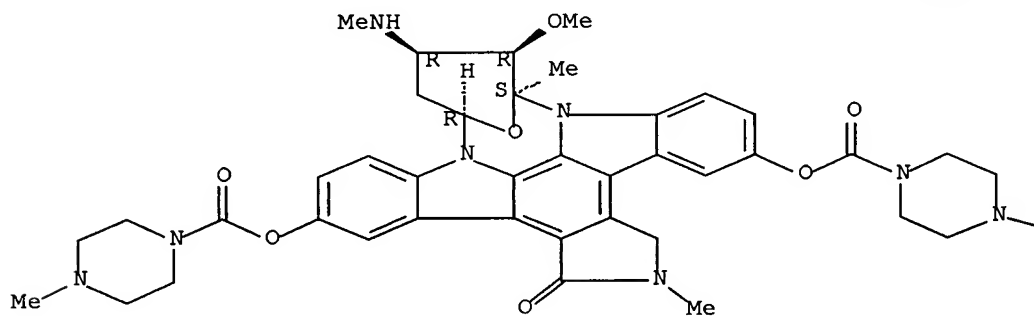
RN 172350-59-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-methyl-, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl

ester, trihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



● 3 HCl

PAGE 1-B

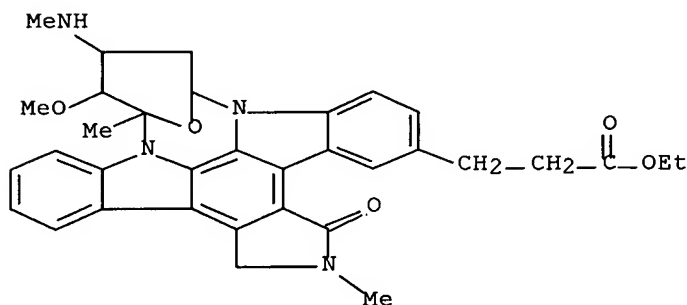
— Me

RN 172350-61-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-propanoic acid, 2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo-, ethyl ester, [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]-, monoacetate (9CI) (CA

INDEX
 NAME)

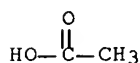
CM 1

CRN 172350-60-6
 CMF C34 H36 N4 O5



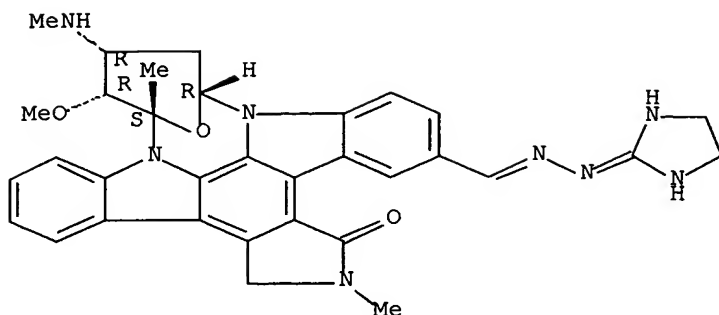
CM 2

CRN 64-19-7
 CMF C2 H4 O2



RN 172350-62-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo-, 5-[(4,5-dihydro-1H-imidazol-2-yl)hydrazone], trihydrochloride, [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



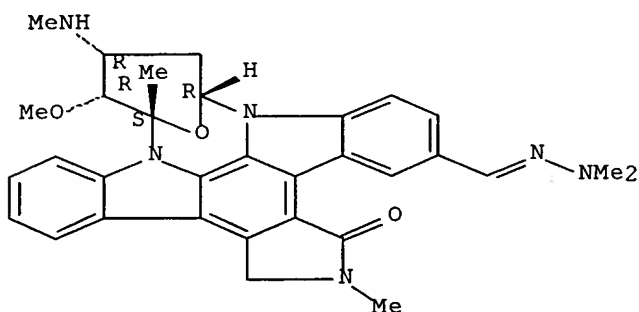
● 3 HCl

RN 172350-63-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo-, 5-(dimethylhydrazone), [9R-(9.alpha.,11.beta.,12.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

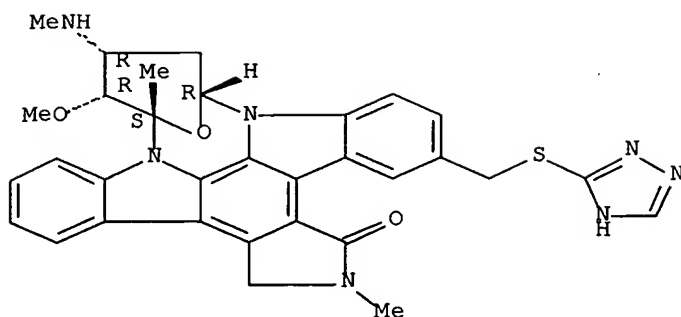
Double bond geometry unknown.



RN 172350-64-0 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-17-[(1H-1,2,4-triazol-3-ylthio)methyl]-, dihydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

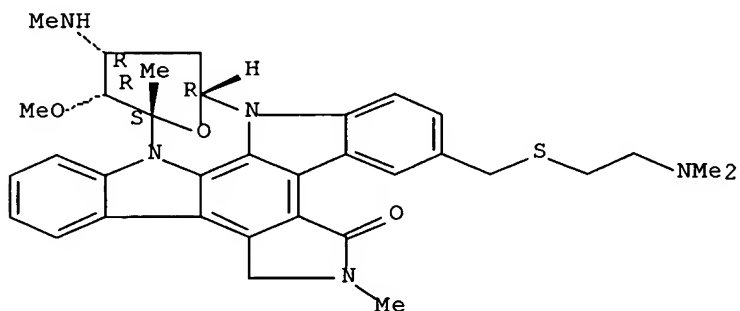


●2 HCl

RN 172350-65-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[[2-(dimethylamino)ethyl]thio]methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

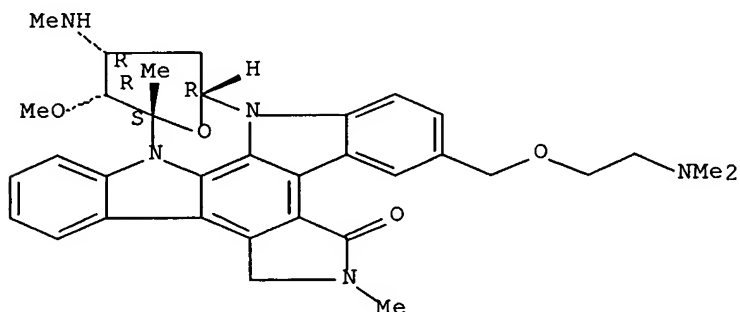
Absolute stereochemistry.



RN 172350-66-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[[2-(dimethylamino)ethoxy]methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

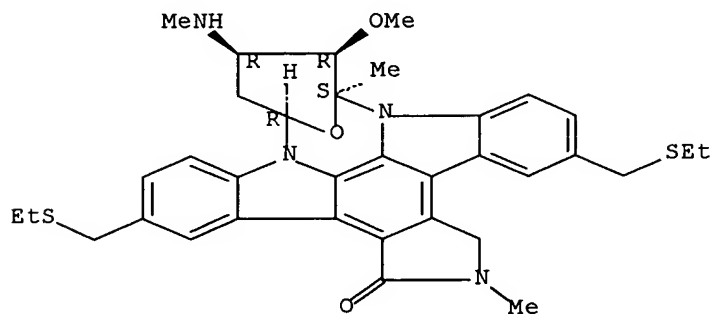
Absolute stereochemistry.



RN 172350-67-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis[(ethylthio)methyl]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

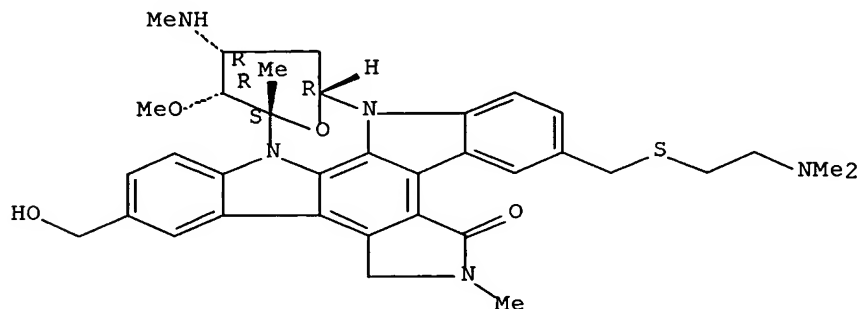
Absolute stereochemistry.



RN 172350-68-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-[[[2-(dimethylamino)ethyl]thio]methyl]-2,3,10,11,12,13-hexahydro-5-(hydroxymethyl)-10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

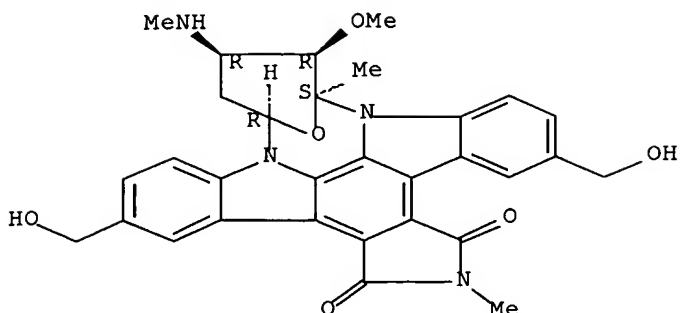
Absolute stereochemistry.



RN 172350-69-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1,3(2H)-dione, 10,11,12,13-tetrahydro-5,17-bis(hydroxymethyl)-10-methoxy-2,9-dimethyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

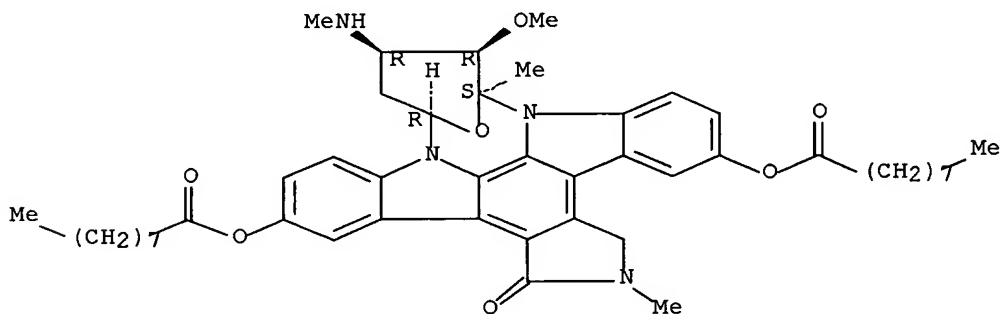
Absolute stereochemistry.



RN 172350-70-8 CAPLUS

CN Nonanoic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



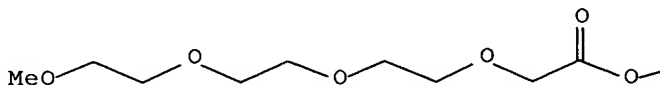
● HCl

RN 172350-71-9 CAPLUS

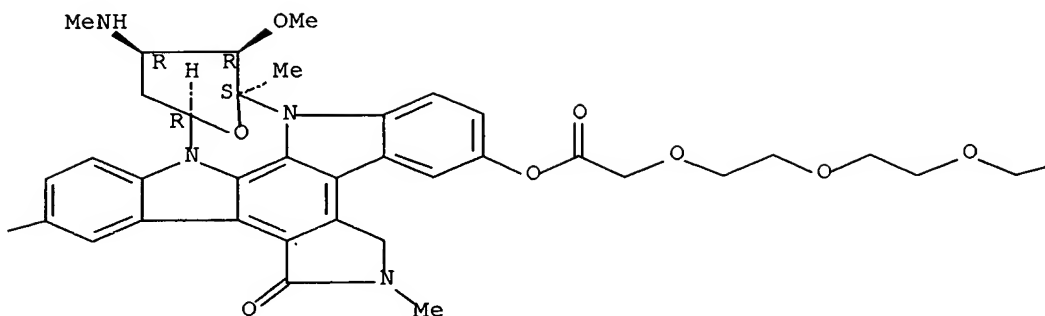
CN 2,5,8,11-Tetraoxatridecan-13-oic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

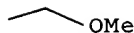
PAGE 1-A



PAGE 1-B



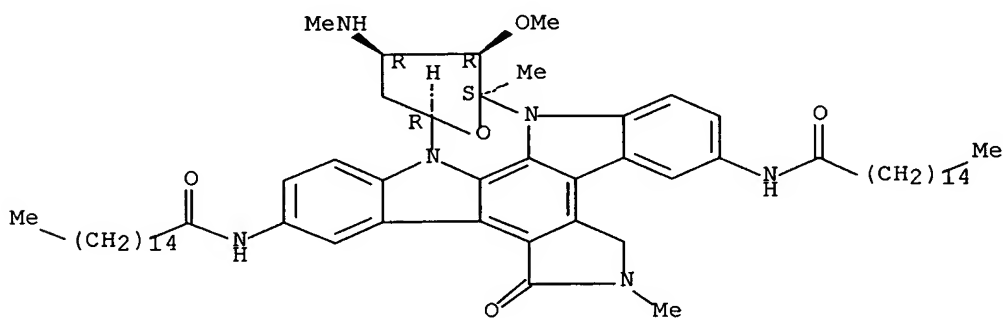
PAGE 1-C



RN 172350-72-0 CAPLUS

CN Hexadecanamide, N,N'-[2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



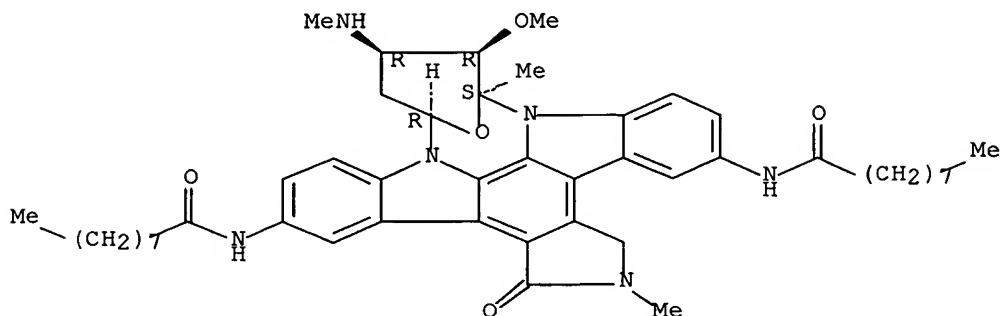
● HCl

RN 172350-73-1 CAPLUS

CN Nonanamide, N,N'-[2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl]bis-, monohydrochloride,

[9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

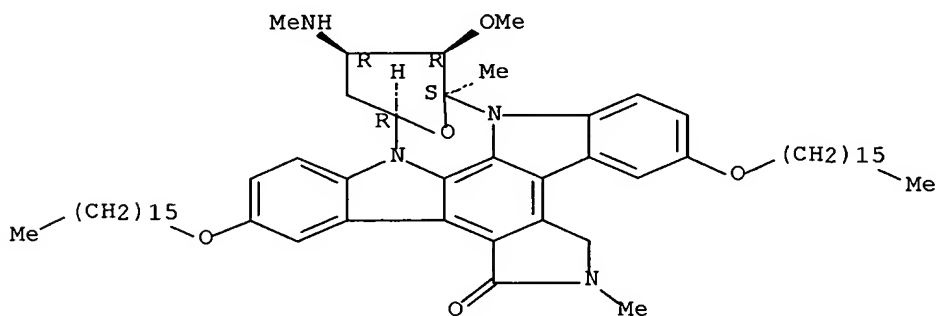


● HCl

RN 172350-74-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-bis(hexadecyloxy)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

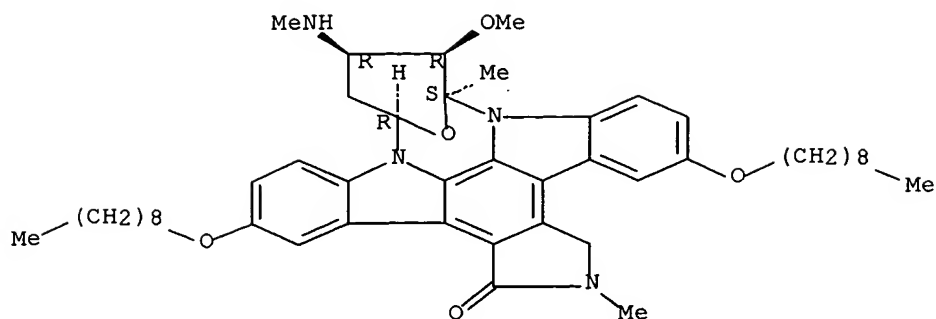


● HCl

RN 172350-75-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-5,17-bis(nonyloxy)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 159293-59-1P 159293-70-6P 159293-71-7P
 172350-82-2P 172350-83-3P 172350-84-4P
 172350-85-5P 172350-86-6P 172350-87-7P
 172350-88-8P 172350-89-9P 172350-90-2P
 172350-91-3P 172350-92-4P 172350-93-5P
 172350-94-6P 172350-95-7P 172350-96-8P
 172350-97-9P 172350-98-0P 172350-99-1P
 172351-00-7P 172351-01-8P 172351-02-9P
 172351-03-0P 172351-04-1P 172351-05-2P
 172351-06-3P 172351-07-4P 172351-08-5P
 172351-09-6P 172351-10-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

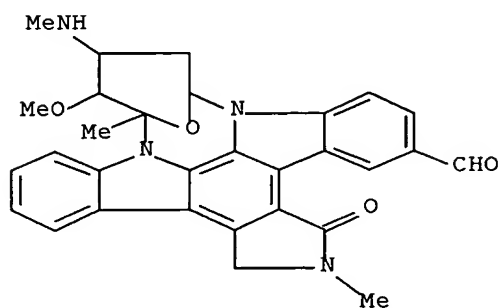
RACT

(Reactant or reagent)

(prepn. of indolocarbazole derivs. for treatment of
 thrombocytopenia.)

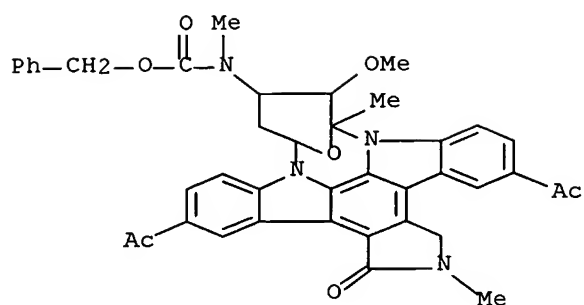
RN 159293-59-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-12-
 methoxy-2,13-dimethyl-11-(methylamino)-3-oxo- (9CI) (CA INDEX NAME)



RN 159293-70-6 CAPLUS

CN Carbamic acid, (5,17-diacetyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-
 dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-
 lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX
 NAME)

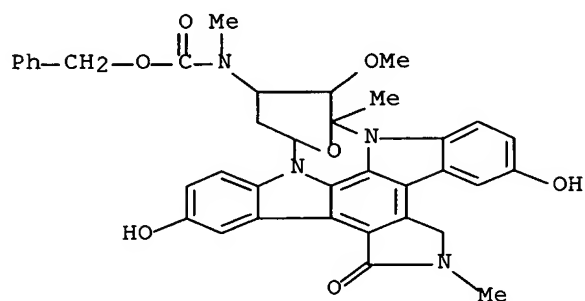


RN 159293-71-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

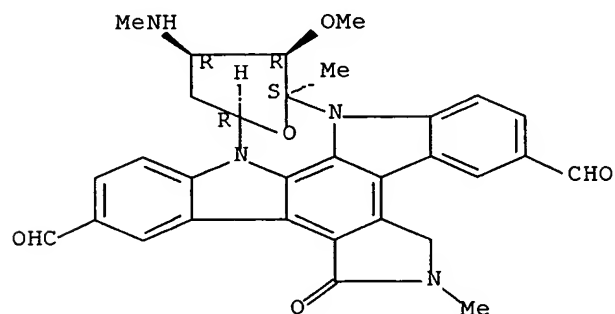


RN 172350-82-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-10-

methoxy-2,9-dimethyl-11-(methylamino)-1-oxo-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

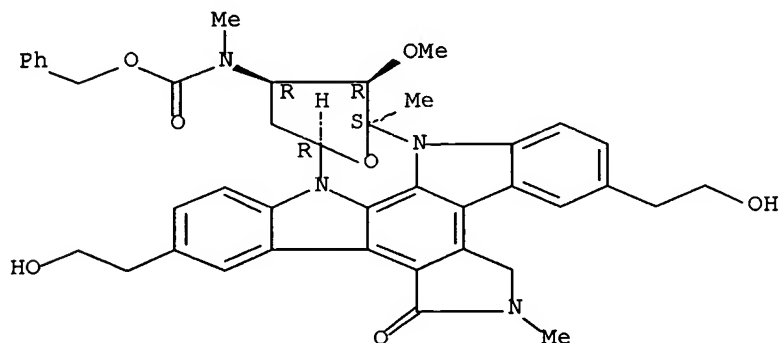
Absolute stereochemistry.



RN 172350-83-3 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(2-hydroxyethyl)-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

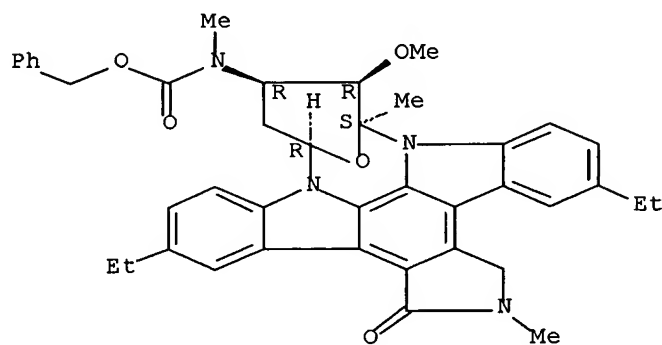
Absolute stereochemistry.



RN 172350-84-4 CAPLUS

CN Carbamic acid, (5,17-diethyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

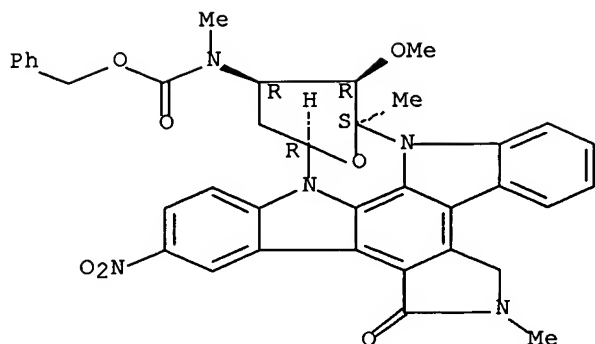
Absolute stereochemistry.



RN 172350-85-5 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

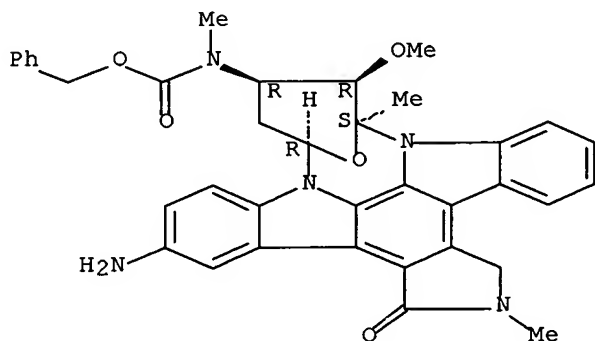
Absolute stereochemistry.



RN 172350-86-6 CAPLUS

CN Carbamic acid, (17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

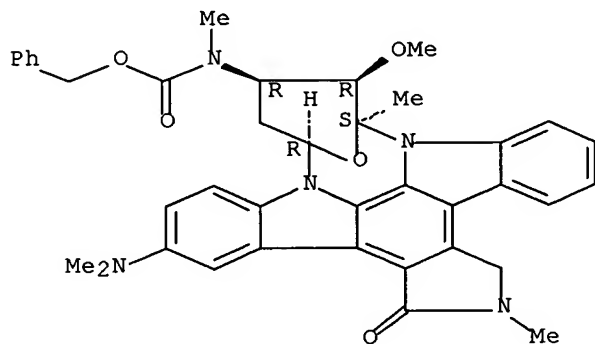
Absolute stereochemistry.



RN 172350-87-7 CAPLUS

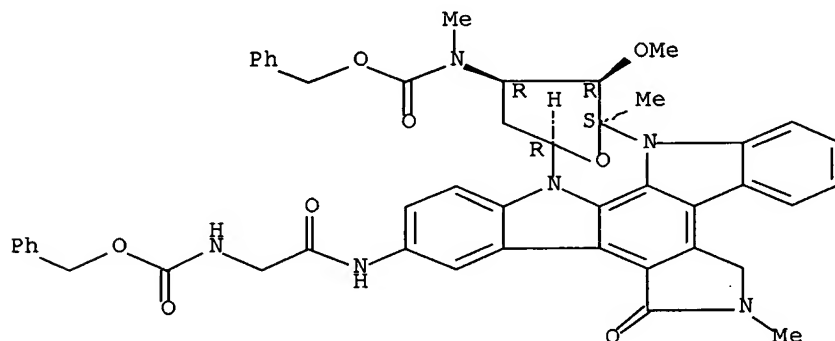
CN Carbamic acid, [17-(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



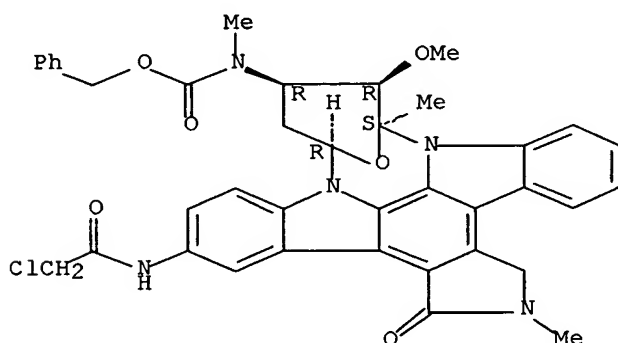
RN 172350-88-8 CAPLUS
 CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-17-
 17-
 [[[(phenylmethoxy)carbonyl]amino]acetyl]amino]-9,13-epoxy-1H,9H-
 diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-
 yl)methyl-, phenylmethyl ester, [9S-
 (9.alpha.,10.beta.,11.beta.,13.alpha.)
]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



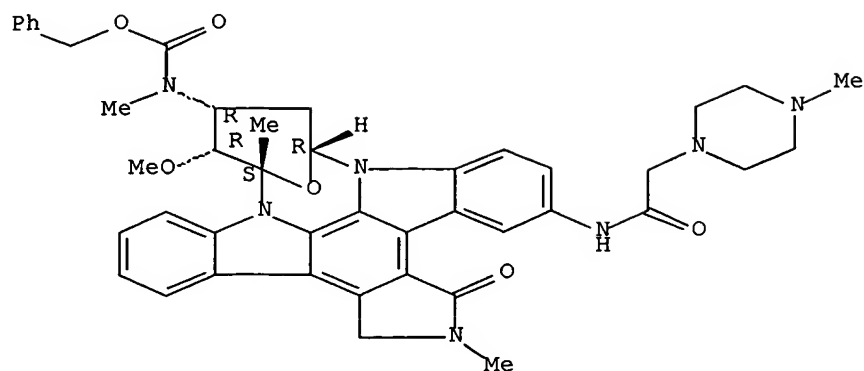
RN 172350-89-9 CAPLUS
 CN Carbamic acid, [17-[(chloroacetyl)amino]-2,3,10,11,12,13-hexahydro-10-
 methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-
 lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester,
 [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 172350-90-2 CAPLUS
 CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-17-
 [[(4-
 methyl-1-piperazinyl)acetyl]amino]-1-oxo-9,13-epoxy-1H,9H-
 diindolo[1,2,3-
 gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-,
 phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

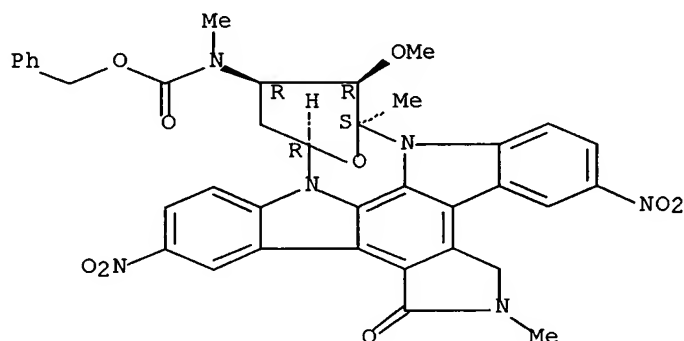


RN 172350-91-3 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

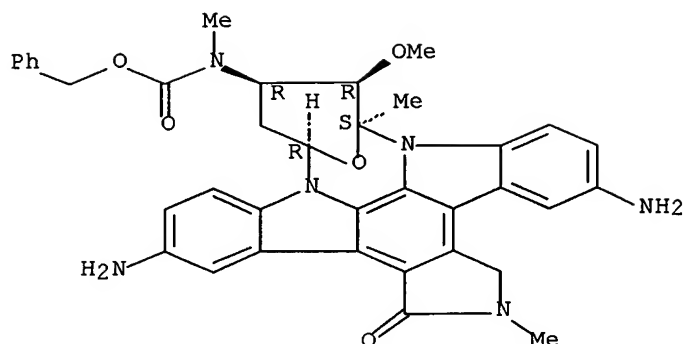


RN 172350-92-4 CAPLUS

CN Carbamic acid, (5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

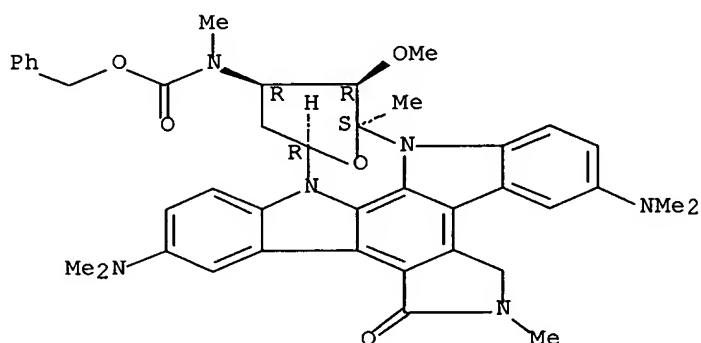
Absolute stereochemistry.



RN 172350-93-5 CAPLUS

CN Carbamic acid, [5,17-bis(dimethylamino)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

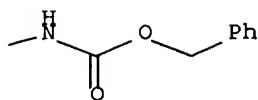
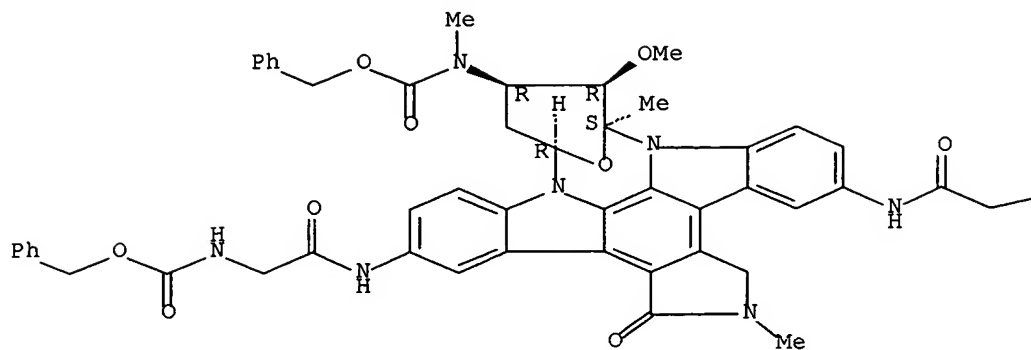
Absolute stereochemistry.



RN 172350-94-6 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-5,17-bis[(((phenylmethoxy)carbonyl)amino)acetyl]amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,112,13.alpha.)]- (9CI) (CA INDEX NAME)

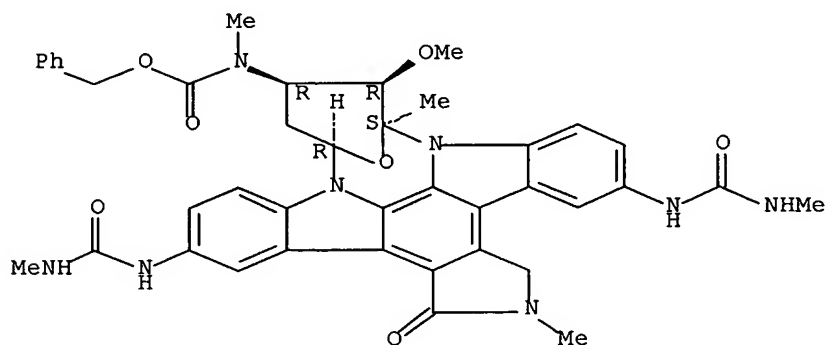
Absolute stereochemistry.



RN 172350-95-7 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-5,17-bis[[(methylamino) carbonyl] amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

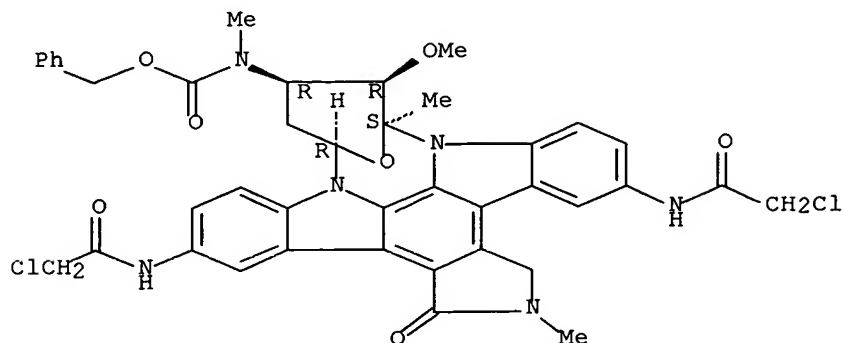


RN 172350-96-8 CAPLUS

CN Carbamic acid, [5,17-bis[(chloroacetyl) amino]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester,
10-

[9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

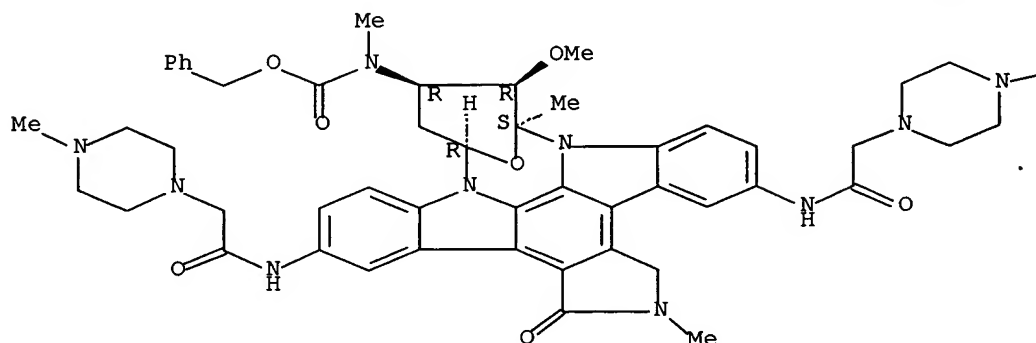


RN 172350-97-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-5,17-bis[[(4-methyl-1-piperazinyl) acetyl] amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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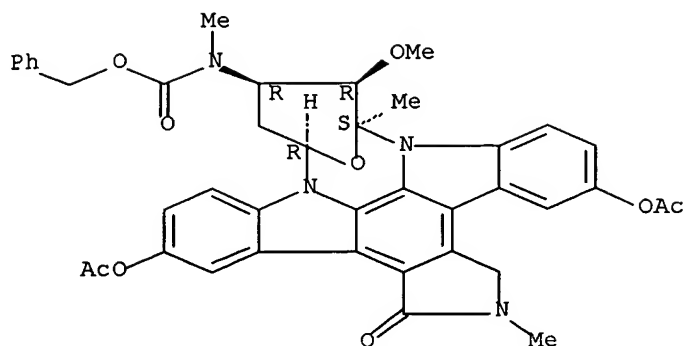
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—Me

RN 172350-98-0 CAPLUS

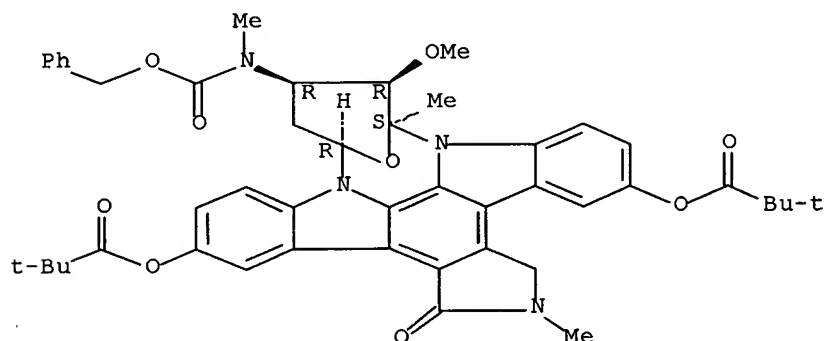
CN Carbamic acid, [5,17-bis(acetyloxy)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



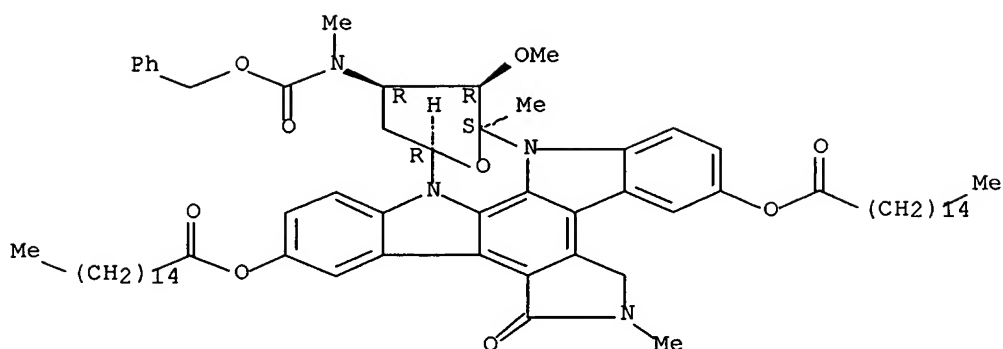
RN 172350-99-1 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy)carbonyl]amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



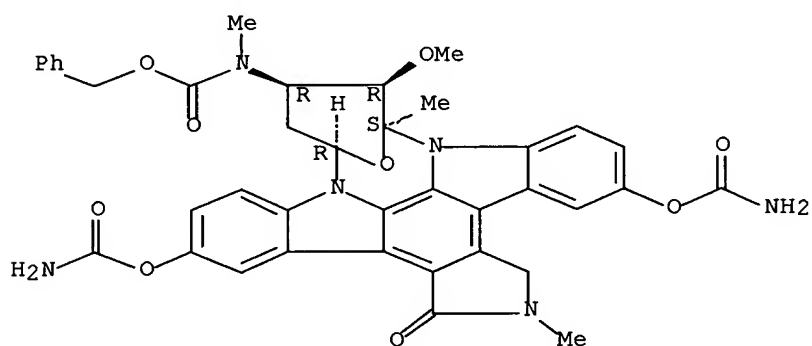
RN 172351-00-7 CAPLUS
 CN Hexadecanoic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy)carbonyl]amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 172351-01-8 CAPLUS
 CN Carbamic acid, [5,17-bis[(aminocarbonyl)oxy]-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

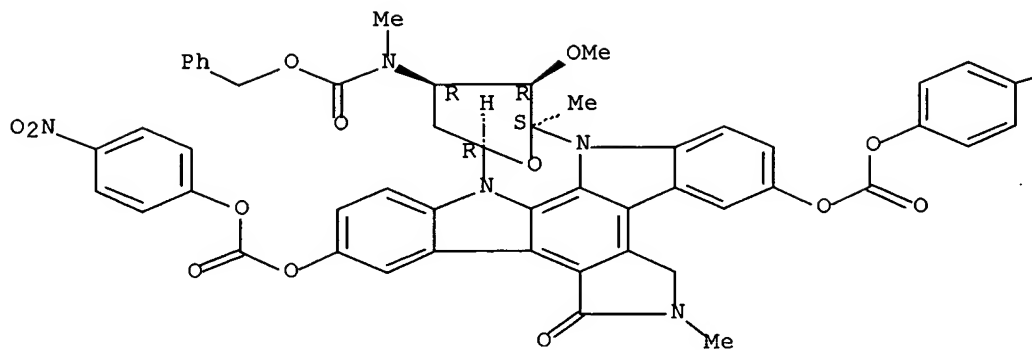
Absolute stereochemistry.



RN 172351-02-9 CAPLUS
 CN Carbonic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy)carbonyl]amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl bis(4-nitrophenyl) ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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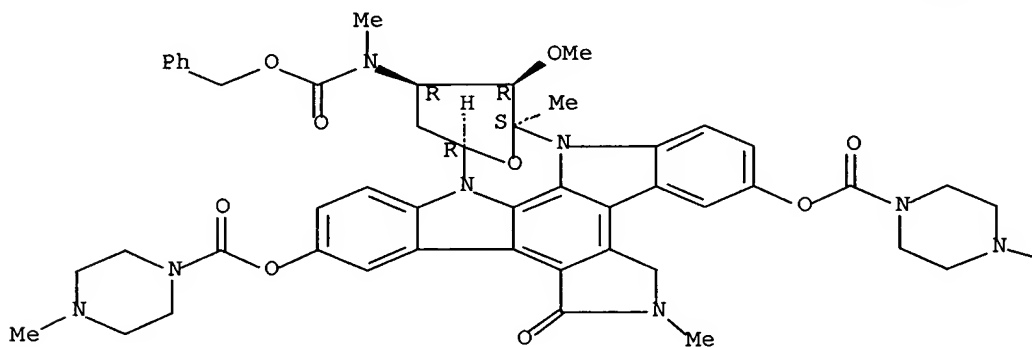
PAGE 1-B

—NO₂

RN 172351-03-0 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-methyl-, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy)carbonyl]amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

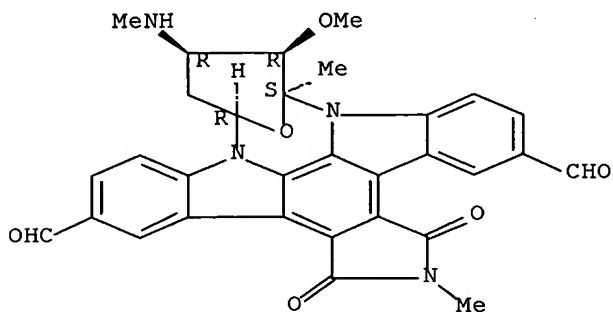
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—Me

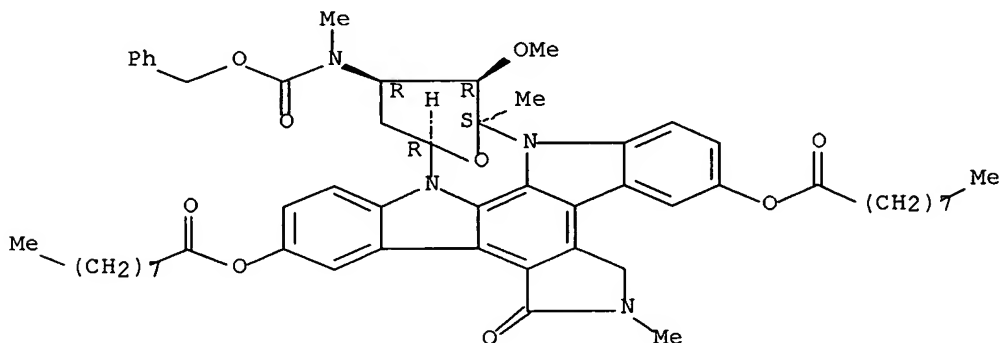
RN 172351-04-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)-1,3-dioxo-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 172351-05-2 CAPLUS
 CN Nonanoic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy)carbonyl]amino]-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 172351-06-3 CAPLUS

CN 2,5,8,11-Tetraoxatridecan-13-oic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-[methyl[(phenylmethoxy) carbonyl] amino]-1-oxo-9,13-

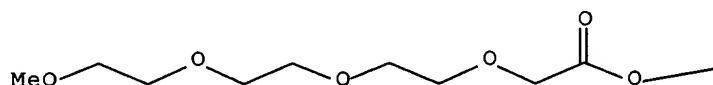
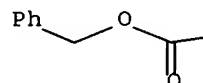
epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-diyl ester, [9S-

(9.alpha.,10.beta.,11.beta.,13.

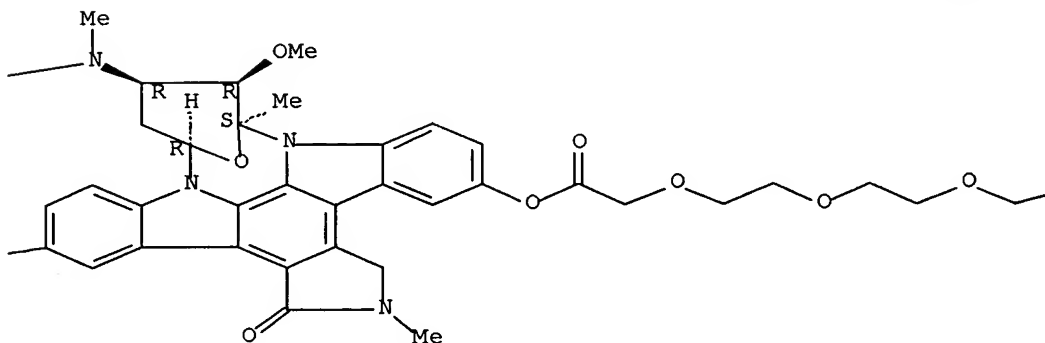
alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

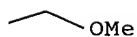
PAGE 1-A



PAGE 1-B



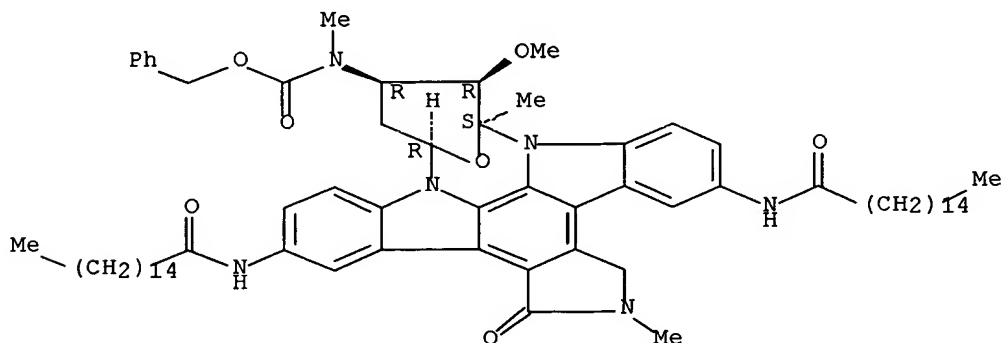
PAGE 1-C



RN 172351-07-4 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-5,17-bis[(1-oxohexadecyl)amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

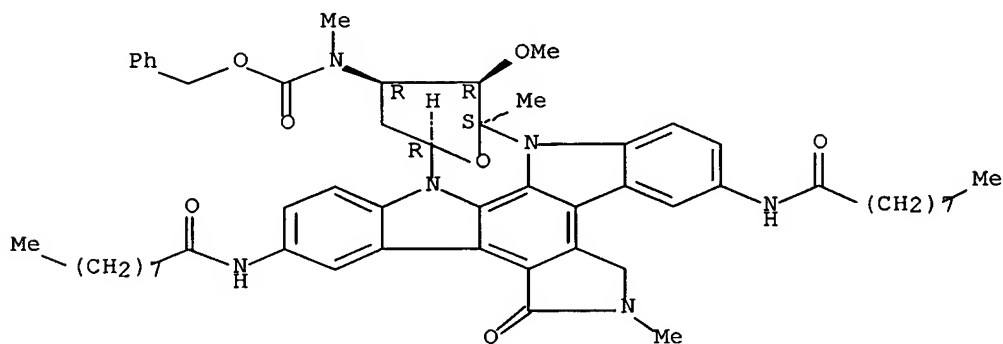
Absolute stereochemistry.



RN 172351-08-5 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-5,17-bis[(1-oxononyl)amino]-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

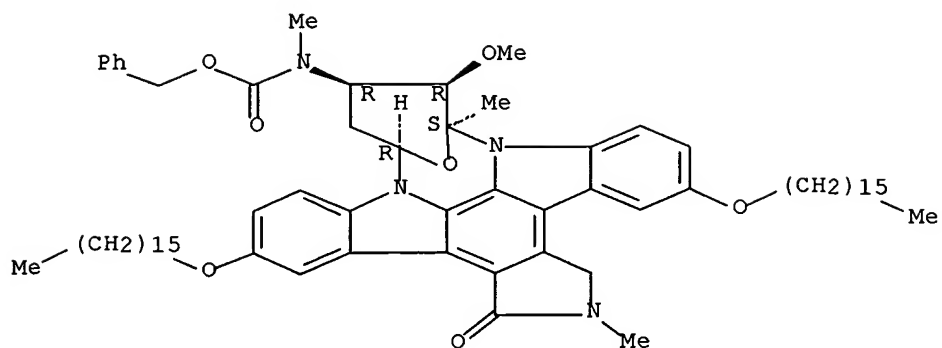
Absolute stereochemistry.



RN 172351-09-6 CAPLUS

CN Carbamic acid, [5,17-bis(hexadecyloxy)-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

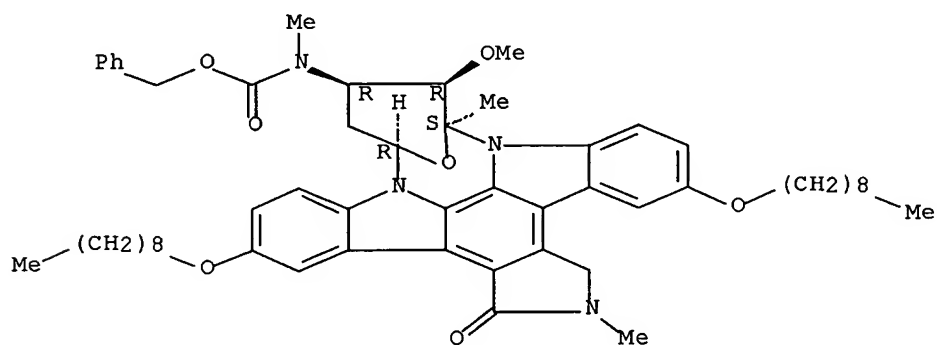
Absolute stereochemistry.



RN 172351-10-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-5,17-bis(nonyloxy)-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]methyl-, phenylmethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

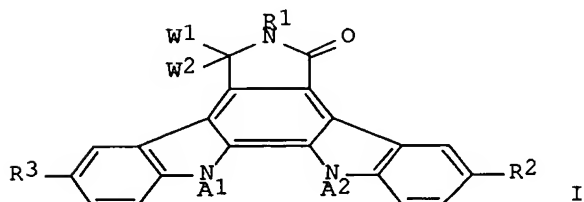
Absolute stereochemistry.



in IDS

L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1995:216587 CAPLUS
 DN 122:10020
 TI preparation of benzodiindole derivatives as antithrombotics
 IN Tamaoki, Tatsuya; Shiotsu, Yukimasa; Murakata, Chikara; Akinaga, Shiro;
 Okabe, Masami; Saitoh, Yutaka; Watanabe, Junichi; Shiraki, Takako
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9406799	A1	19940331	WO 1993-JP1346	19930920
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 630898	A1	19941228	EP 1993-919687	19930920
	EP 630898	B1	20011128		
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	ES 2171416	T3	20020916	ES 1993-919687	19930920
	US 5674867	A	19971007	US 1994-244111	19940518
PRAI	JP 1992-250941	A	19920921		
	WO 1993-JP1346	W	19930920		
OS	MARPAT 122:10020				
GI					



AB Title compds. I [R1 = H, alkyl, alkanoyl, benzyl, amino; R2 = H, OH, alkoxy, alkanoyl, halo, etc.; R3 = H, alkanoyl, halo, OH, alkoxy; W1, W2 = H, OH, alkylthio, etc.; A1, A2 = H, or together = 4-(methylamino)-2-methyl-3-methoxytetrahydro-2,6-pyrandiyl, etc.] are prepd. and their blood platelet aggregation inhibiting activities were evaluated. E.g., I [R1-R3 = H, W1 = H, W2 = OH, A1A2 = Q] at 1 nM showed 127% inhibition of blood platelet aggregation compared with 100% for the control.

IT 159293-48-8P 159293-49-9P 159293-50-2P
 159293-51-3P 159293-52-4P 159293-56-8P
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 159293-61-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

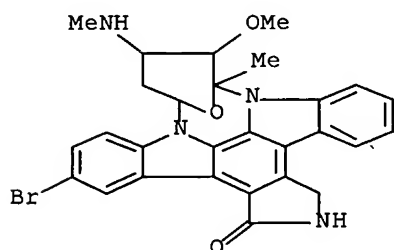
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as antithrombotic)

RN 159293-48-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-bromo-2,3,10,11,12,13-hexahydro-10-methoxy-

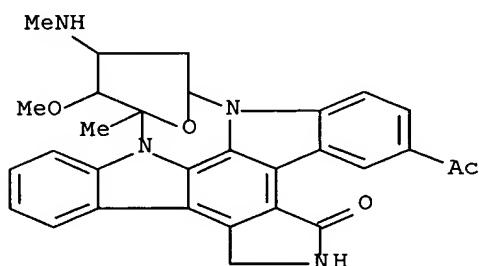
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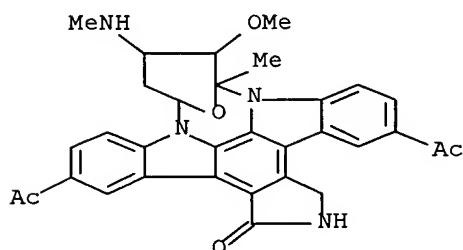
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9-methyl-11-(methylamino)- (9CI) (CA INDEX NAME)

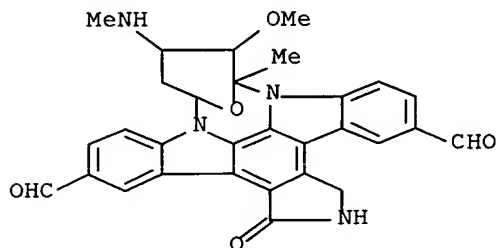


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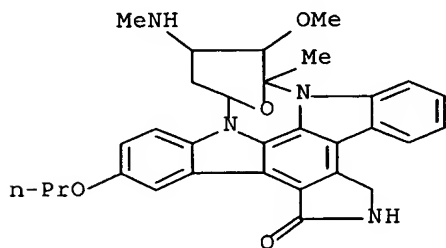
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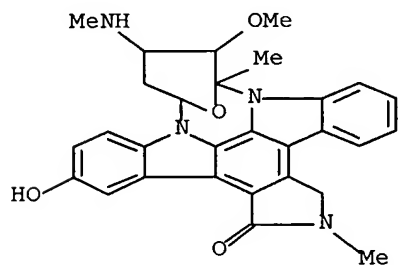
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 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonine-5,17-dicarboxaldehyde, 2,3,10,11,12,13-hexahydro-
 10-methoxy-9-methyl-11-(methylamino)-1-oxo- (9CI) (CA INDEX NAME)



RN 159293-52-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10-methoxy-9-
 methyl-
 11-(methylamino)-17-propoxy- (9CI) (CA INDEX NAME)

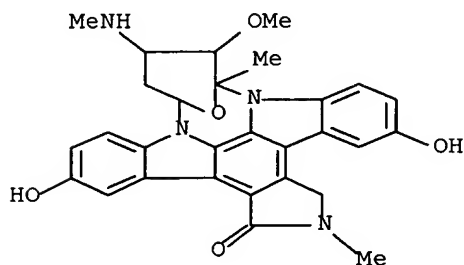


RN 159293-56-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-
 methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride (9CI) (CA
 INDEX
 NAME)



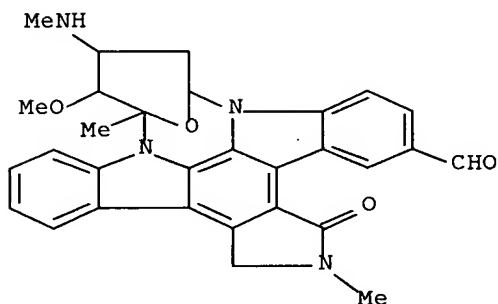
HCl

RN 159293-57-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

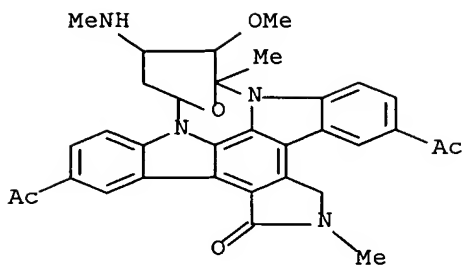


● HCl

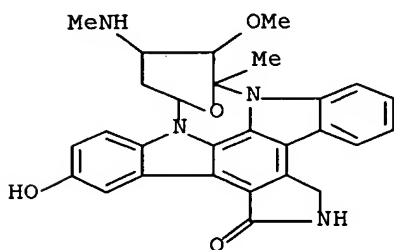
RN 159293-59-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxaldehyde, 2,3,10,11,12,13-hexahydro-12-methoxy-2,13-dimethyl-11-(methylamino)-3-oxo- (9CI) (CA INDEX NAME)



RN 159293-60-4 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diacetyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)- (9CI) (CA INDEX NAME)



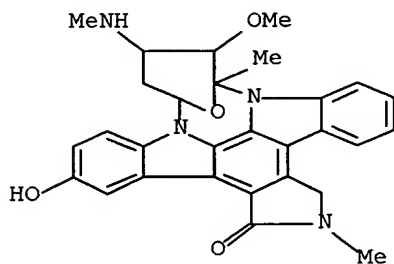
RN 159293-61-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)- (9CI) (CA INDEX NAME)



IT 159293-56-8P 159293-57-9P 159293-60-4P
 159293-64-8P 159293-65-9P 159293-67-1P
 159293-68-2P 159293-69-3P 159293-70-6P
 159293-71-7P 159293-72-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as intermediate for antithrombotics)

RN 159293-56-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride (9CI) (CA INDEX NAME)

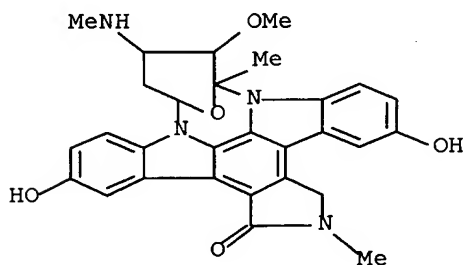


HCl

RN 159293-57-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-2,9-dimethyl-11-(methylamino)-, monohydrochloride (9CI) (CA

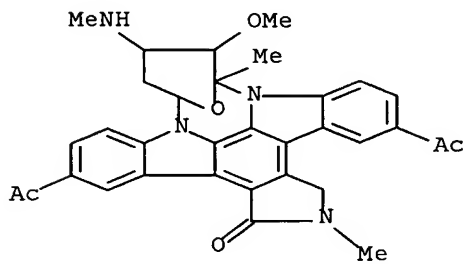
INDEX
NAME)



● HCl

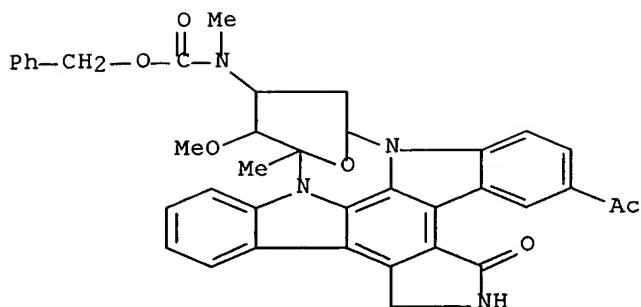
RN 159293-60-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diacetyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-11-(methylamino)- (9CI) (CA INDEX NAME)



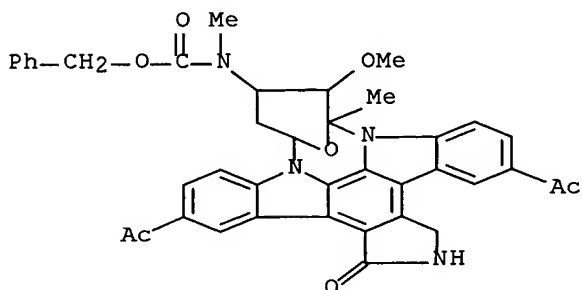
RN 159293-64-8 CAPLUS

CN Carbamic acid, (17-acetyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



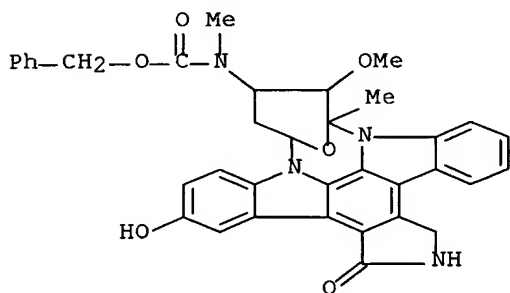
RN 159293-65-9 CAPLUS

CN Carbamic acid, (5,17-diacetyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 159293-67-1 CAPLUS

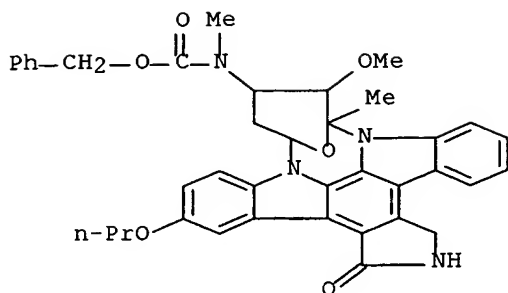
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 159293-68-2 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-17-propoxy-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

NAME)

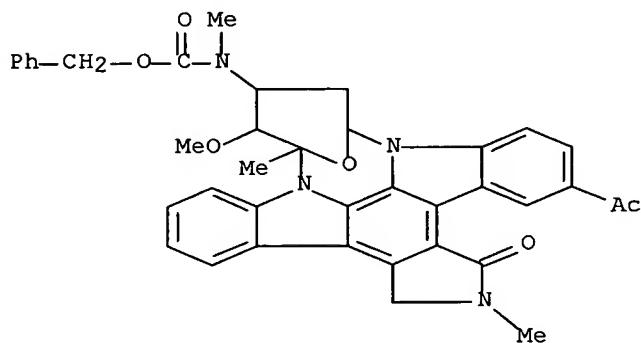


RN 159293-69-3 CAPLUS

CN Carbamic acid, (17-acetyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

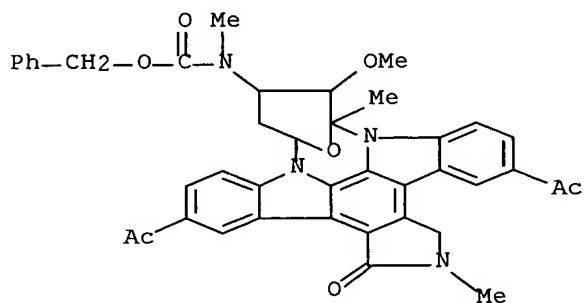


RN 159293-70-6 CAPLUS

CN Carbamic acid, (5,17-diacetyl-2,3,10,11,12,13-hexahydro-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

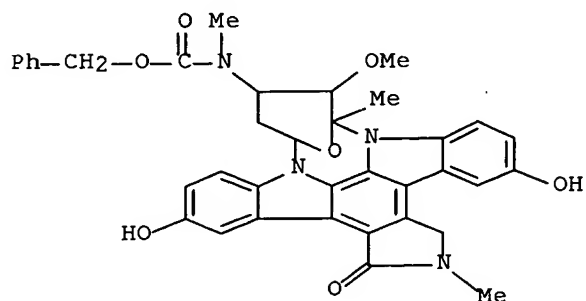


RN 159293-71-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

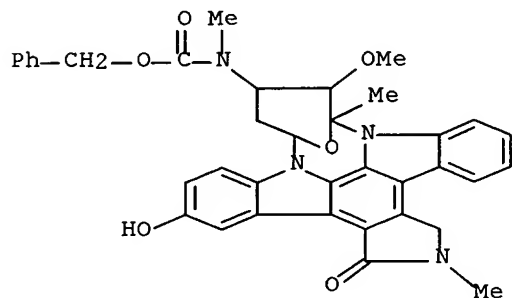


RN 159293-72-8 CAPLUS

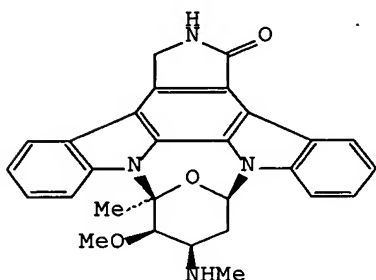
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-2,9-dimethyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-

lm]pyrrolo[3,4-

j][1,7]benzodiazonin-11-yl)methyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

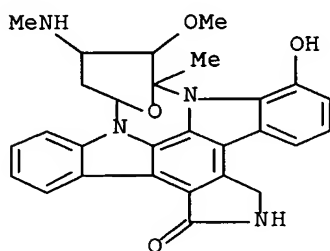


L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:323976 CAPLUS
 DN 120:323976
 TI Absolute configuration of staurosporine by x-ray analysis
 AU Funato, Nobuyuki; Takayanagi, Hiroaki; Konda, Yaeko; Toda, Yumiko;
 Harigaya, Yoshihiro; Iwai, Yuzuru; Omura, Satoshi
 CS Sch. Pharm. Sci., Kitasato Univ., Japan
 SO Tetrahedron Letters (1994), 35(8), 1251-4
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English
 GI



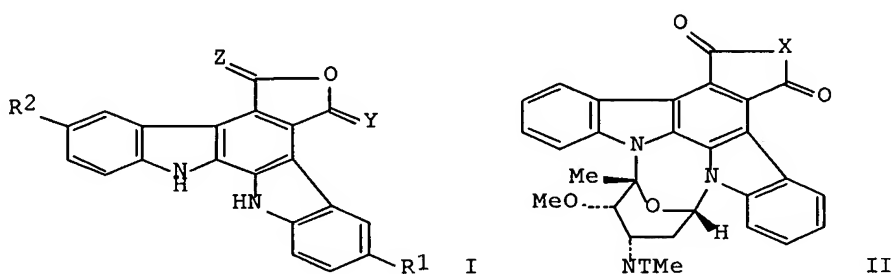
I

AB The stereostructure of staurosporine (I) was detd. abs. to be
 2'S,3'R,4'R,6'R-configurations by means of x-ray crystallog. anal. of
 4'-N-methylstaurosporine methiodide.
 IT **143682-17-1**, 11-Hydroxystaurosporine
 RL: PRP (Properties)
 (abs. configuration of)
 RN 143682-17-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-
 methoxy-
 9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)



L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:31003 CAPLUS
 DN 120:31003
 TI Preparation of indolocarbazole derivatives as antitumor agents
 IN Yamada, Rintaro; Hayashi, Yoshiharu
 PA Asahi Chemical Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05140168	A2	19930608	JP 1991-297072	19911113
PRAI	JP 1991-297072		19911113		
OS	MARPAT 120:31003				
GI					



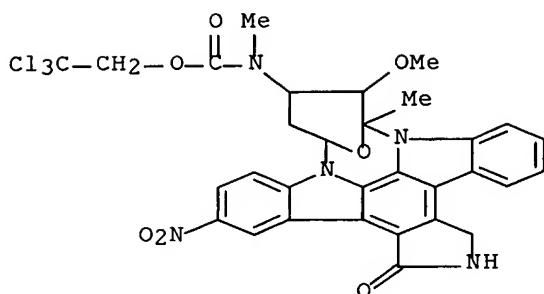
AB The title compds. I (C:z, C:Y = CH₂, C:O; one of C:Z and C:Y must be other than CH₂; R₁, R₂ = H, nitro, OH, halo, etc.) were prepd. A mixt. of indolocarbazole deriv. II (X = NH; T = Cl₃C CH₂O₂C) and aq. NH₄OH in MeOH and dioxane was heated at 50.degree. for 3 h. The resulting mixt. was then treated with aq. NaOH at 10.degree. for 3.5 h to give II (X = O; T = Cl₃CCH₂O₂C) (III). Treatment of III with a mixt. of CF₃CO₂H and HCl gave, after workup, I (Y = Z = O, R₁ = R₂ = H) (IV). IV at 10 mg/kg showed antitumor activity in mice.

IT **135384-27-9P 135384-29-1P 149166-82-5P**
149166-84-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (prepn. and reaction of, in prepn. of
 antitumor agent)

RN 135384-27-9 CAPLUS

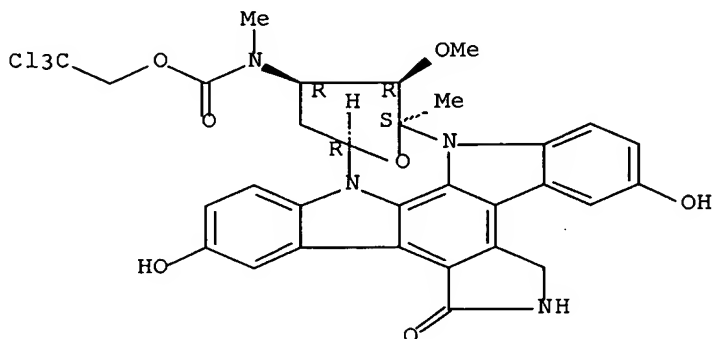
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-
 1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester,
 [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

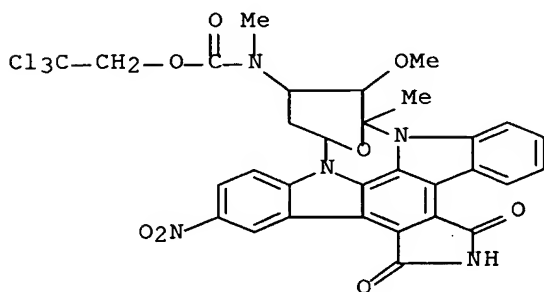
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



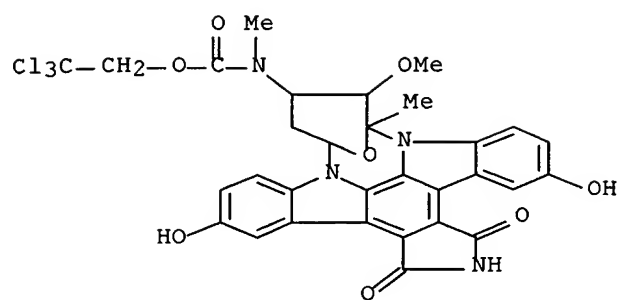
RN 149166-82-5 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



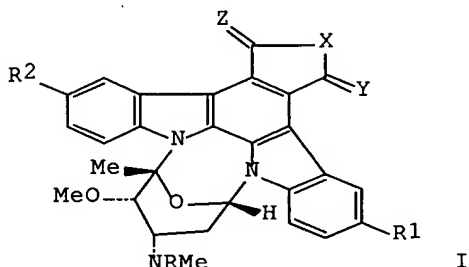
RN 149166-84-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



L8 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1993:517031 CAPLUS
 DN 119:117031
 TI Preparation of staurosporine derivatives as blood platelet aggregation inhibitors
 IN Yamada, Rintaro; Sato, Kazue; Omura, Satoshi; Harigai, Yoshihiro
 PA Asahi Chemical Industry Co., Ltd., Japan; Kitasato Institute
 SO Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04364186	A2	19921216	JP 1991-163325	19910610
PRAI	JP 1991-163325		19910610		
OS	MARPAT 119:117031				
GI					



in IDS

AB Staurosporine derivs. [I; R = H, protecting group; R1, R2 = H, NH2, OH, CH2OH; X = NH, O; Y, Z = 2 H, O, but Y = Z = 2H] are prepd. Protection of staurosporine with ClCO2CH2CCl3 in pyridine gave 82% protected staurosporine I (R = CO2CH2CCl3; R1 = R2 = H, X = NH, Y = O, Z = 2H), which was dissolved in 2,6-lutidine and heated with Ac2O at 140.degree. to give 85% N-Ac deriv. (X = NAc, others remain unchanged) (II). Nitration of II with fuming HNO3 and CF3SO3H in CH2Cl2 gave 91% nitro compd. I (R = CO2CH2CCl3, R1 = NO2, R2 = H, X = NAc, Y = O5, Z = 2 H), which was deacetylated with 85% N2H4, H2O in Me Cellosolve to give 78% I (X = NH, others remain unchanged) (III). Oxidn. of III with Mn(III) acetylacetonate and Me3COOH in Me3COH-1,4-dioxine gave 77% dione I (R = CO2CH2CCl3, R1 = NO2, R2 = H, X = NH, Y = Z = O), which was reduced with Zn/HCl in Me Cellosolve at 0.degree. to give 35% I (R1 = NH2, others remain unchanged) (IV). IV showed excellent inhibition against ADP-induced blood platelet aggregation at 5 .mu.M, vs. no effect with 100 .mu.M aspirin.

IT **135384-28-0P 135384-29-1P 135417-39-9P**
149166-82-5P 149166-83-6P 149166-84-7P
149166-86-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

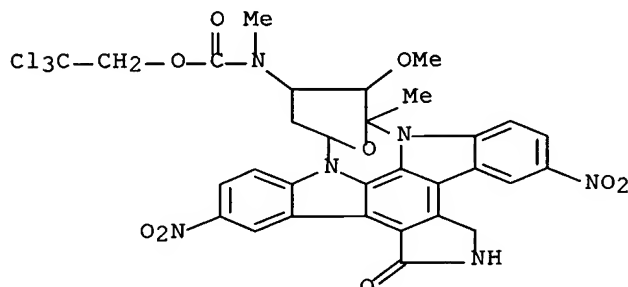
(Reactant or reagent)

(prepn. and reaction of, in prepn. of blood platelets aggregation inhibitor)

RN 135384-28-0 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-

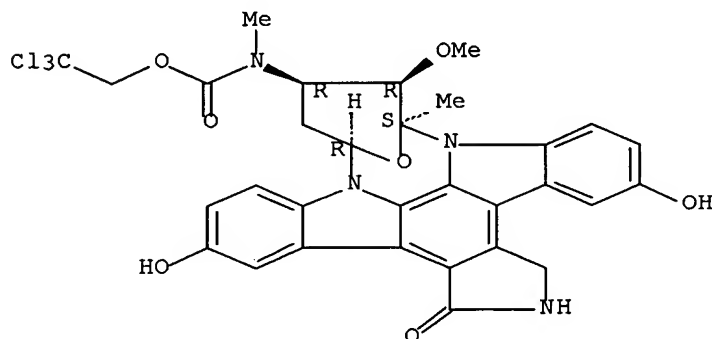
1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

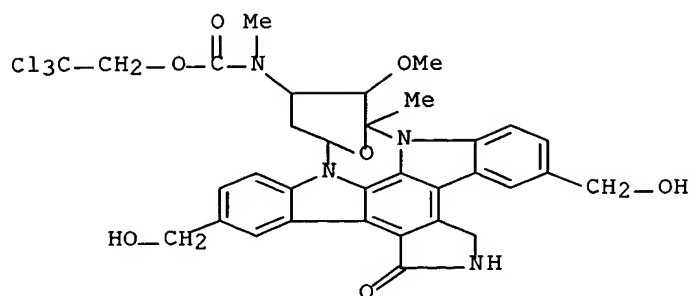
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



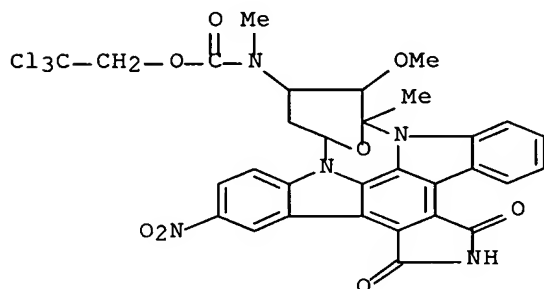
RN 135417-39-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



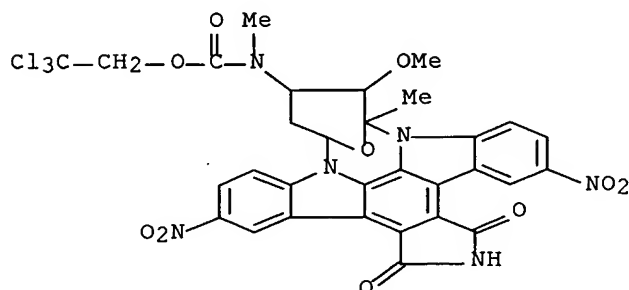
RN 149166-82-5 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



RN 149166-83-6 CAPLUS

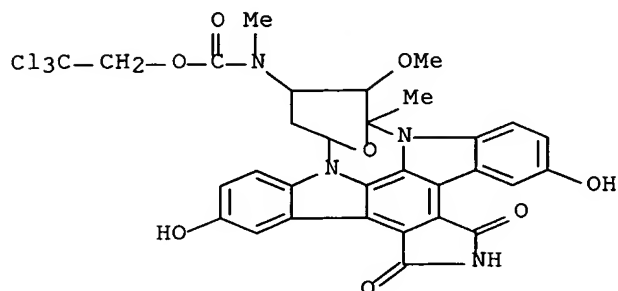
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



RN 149166-84-7 CAPLUS

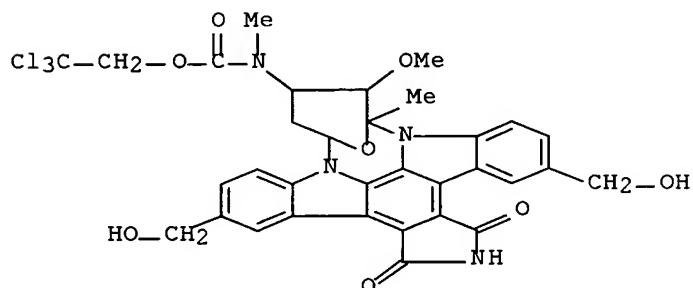
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)

lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



RN 149166-86-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)

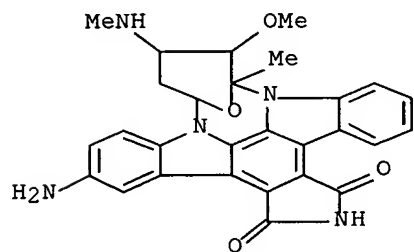


IT 149166-88-1P 149166-89-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, fast blood platelet aggregation inhibitor)

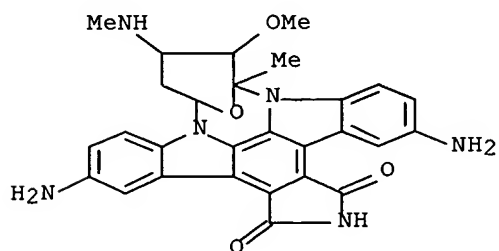
RN 149166-88-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1,3(2H)-dione, 17-amino-10,11,12,13-tetrahydro-10-methoxy-9-methyl-11-(methylamino)-, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)

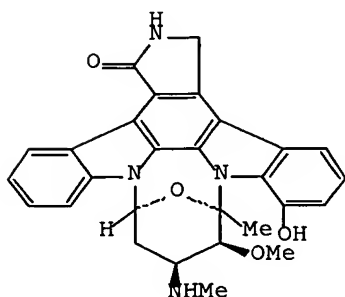


RN 149166-89-2 CAPLUS

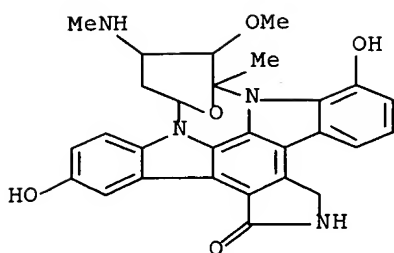
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-1,3(2H)-dione, 5,17-diamino-10,11,12,13-tetrahydro-10-methoxy-9-methyl-11-(methylamino)-, (9.alpha.,10.beta.,11.beta.,13.alpha.a.)- (9CI) (CA INDEX NAME)



L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1992:609157 CAPLUS
 DN 117:209157
 TI 11-Hydroxystaurosporine: a highly cytotoxic, powerful protein kinase C inhibitor from a tunicate
 AU Kinnel, Robin B.; Scheuer, Paul J.
 CS Dep. Chem., Univ. Hawaii, Manoa, Honolulu, HI, 96822, USA
 SO Journal of Organic Chemistry (1992), 57(23), 6327-9
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 GI



AB A new inhibitor of protein kinase C (PKC), 11-hydroxystaurosporine (I), has been isolated from a tunicate of the species Eudistoma collected in Pohnpei. This alkaloid is the first with the indolo[2,3-a]carbazole ring system from a marine source. The structure was elucidated by a combination of NMR and mass spectroscopy. I is highly toxic to human nasopharyngeal cells and inhibits protein kinase C with an IC₅₀ of 2.2 nM.
 A second deriv., 3,11-dihydroxystaurosporine, was also isolated in amts. too small to characterize fully.
 IT **143682-18-2**
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence) (of tunicate)
 RN 143682-18-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)



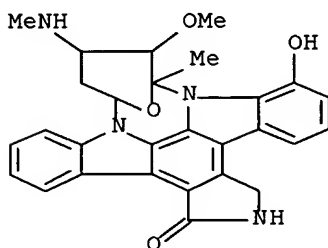
IT **143682-17-1**

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
BIOL (Biological study); OCCU (Occurrence)
(of tunicate, cytotoxicity of and protein kinase C inhibition by)

RN 143682-17-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-
methoxy-

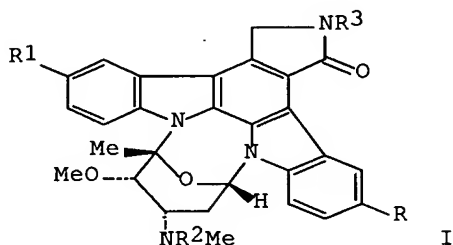
9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)



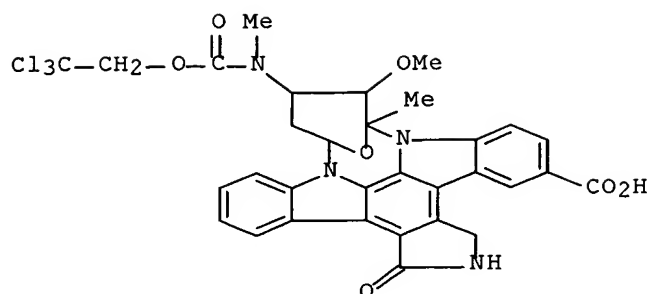
in 1PS

L8 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1992:59419 CAPLUS
 DN 116:59419
 TI Preparation of staurosporinecarboxylic acid derivatives as blood
 platelet
 aggregation inhibitors
 IN Yamada, Rintaro; Omura, Satoshi
 PA Asahi Chemical Industry Co., Ltd., Japan; Kitasato Institute
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03220194	A2	19910927	JP 1990-329902	19901130
PRAI	JP 1989-308936		19891130		
OS	MARPAT 116:59419				
GI					



AB The title compds. [I; R, R1 = H, HCO, CO2H, C.ltoreq.5 alkoxy carbonyl; R2
 =
 H, CO2CH2CCl3; R3 = H, acyl] and their salts are prepd. Oxidn. of
 diformyl compd. I (R = R1 = HCO, R2 = CO2CH2CF3, R3 = Ac) with KMnO4 in
 1,4-dioxane, followed by hydrolysis, gave 60% dicarboxy compd. I (R = R1
 =
 CO2H, R2 = CO2CH2CF3, R3 = H), which was reduced with powd. Zn and 2N
 HCl
 in Me Cellosolve to give 31% I (R = R1 = CO2H, R2 = R3 = H) (II). II
 showed the ratio IC50 (platelet aggregation inhibition)/ED50
 (vasoconstriction inhibition) = 0.92, vs. 66.0 for staurosporine.
 IT **138585-96-3P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT
 (Reactant or reagent)
 (prepn. and reaction of, in prepn. of blood platelet aggregation
 inhibitor)
 RN 138585-96-3 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonine-5-carboxylic acid, 2,3,10,11,12,13-hexahydro-10-
 methoxy-9-methyl-11-[methyl[(2,2,2-trichloroethoxy)carbonyl]amino]-1-
 oxo-,
 (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



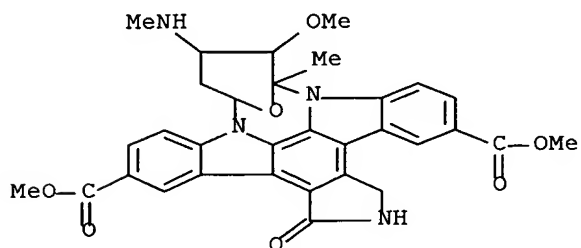
IT 138585-99-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 138585-99-6 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-

methoxy-9-methyl-11-(methylamino)-1-oxo-, dimethyl ester,
(9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



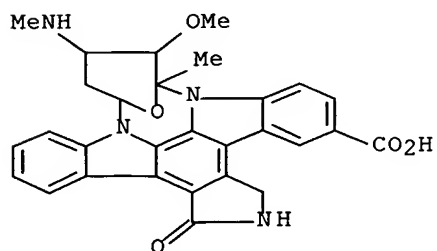
IT 138585-97-4P 138585-98-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as platelet aggregation inhibitor)

RN 138585-97-4 CAPLUS

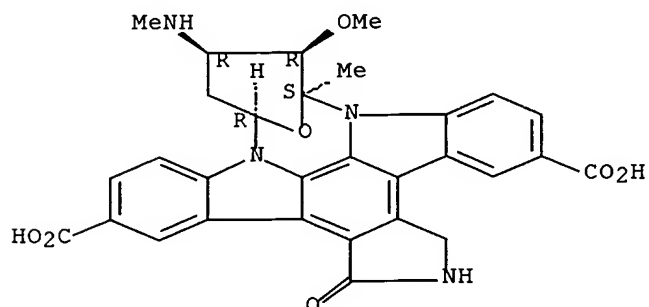
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5-carboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-,
(9.alpha.,10.beta.,11.beta.,13.alpha.)-

(9CI) (CA INDEX NAME)



RN 138585-98-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-
 10-
 methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R)- (9CI) (CA
 INDEX NAME)

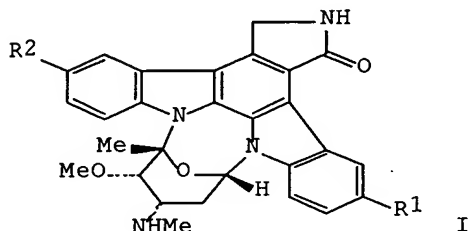
Absolute stereochemistry.



in 1PS

L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1991:492688 CAPLUS
 DN 115:92688
 TI Preparation of staurosporine derivatives as platelet aggregation inhibitors
 IN Yamada, Rintaro; Sasaki, Kunie; Oomura, Satoshi
 PA Asahi Chemical Industry Co., Ltd., Japan; Kitasato Institute
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03072485	A2	19910327	JP 1990-130285	19900522
PRAI	JP 1989-127851		19890523		
OS	MARPAT 115:92688				
GI					



AB The title derivs. I (R1-2 = H, NH2, OH, CH2OH; .gtoreq.1 of R1-2 is not H)

and their acid salts are prepd. Reaction of staurosporine with ClCO2CH2CF3 in pyridine gave 82% 4'-N-(.beta.,.beta.,.beta.-trichloroethoxycarbonyl)staurosporine, which was N-acetylated to afford 85% acetyl deriv. (II). Nitration of II gave 91% 3-nitro deriv., which was deacetylated in 78% yield and the product was reduced by Zn-HCl to give 36% I (R1 = NH2, R2 = H), which exhibited IC50 of 0.9 .mu.M against collagen-induced platelet aggregation, vs. 8.5 for staurosporine.

IT **135384-27-9P 135384-28-0P 135384-29-1P**
135384-32-6P 135417-39-9P 135417-40-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT

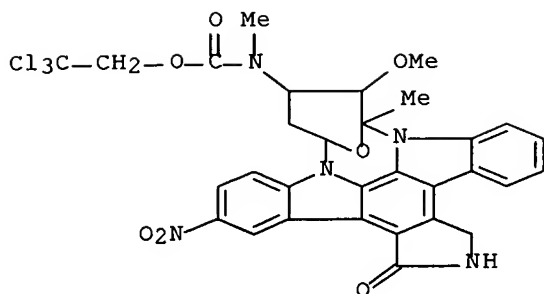
(Reactant or reagent)

(prepn. and reaction of, for platelet aggregation inhibitor manuf.)

RN 135384-27-9 CAPLUS

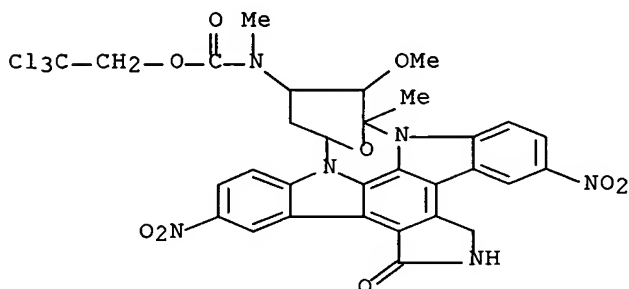
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-

oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-28-0 CAPLUS

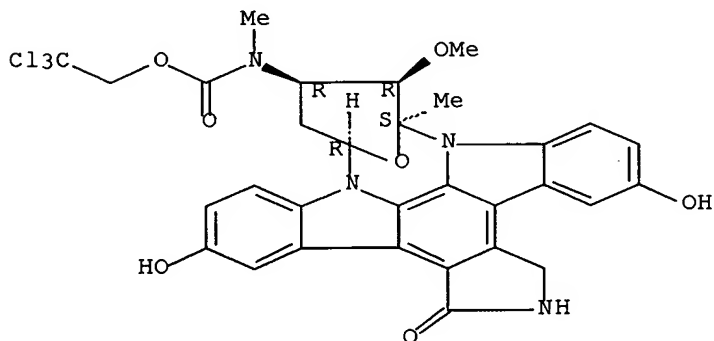
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

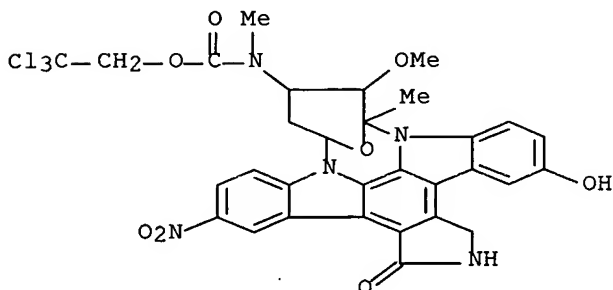


RN 135384-32-6 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5-hydroxy-10-methoxy-9-methyl-

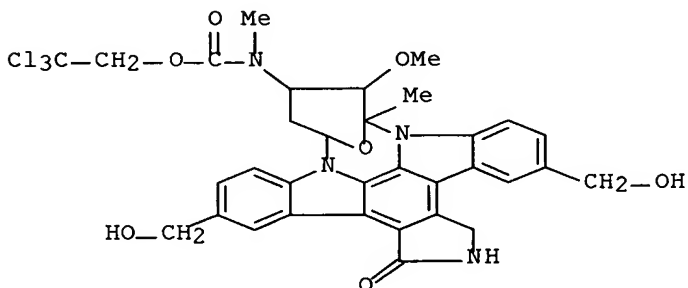
17-

nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



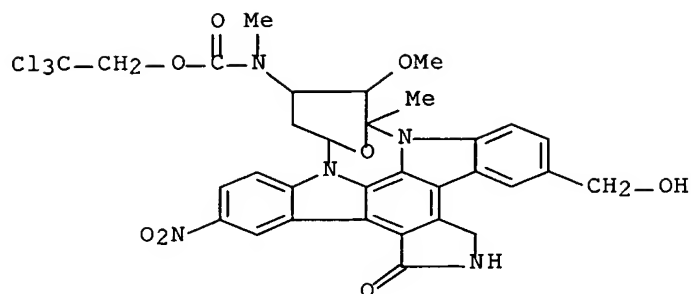
RN 135417-39-9 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135417-40-2 CAPLUS

CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5-(hydroxymethyl)-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



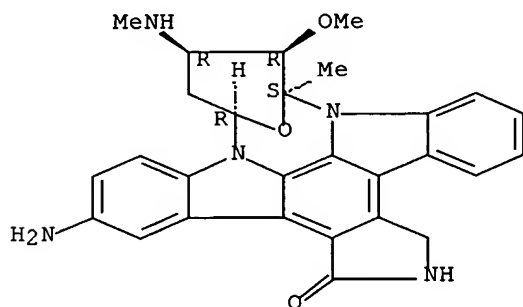
IT 135384-18-8P 135384-19-9P 135384-20-2P
135384-21-3P 135384-22-4P 135384-23-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as platelet aggregation inhibitor)

RN 135384-18-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

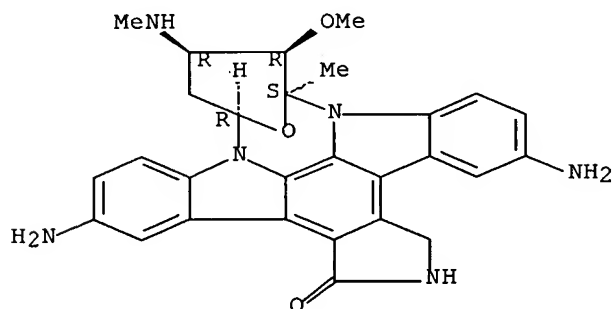
Absolute stereochemistry.



RN 135384-19-9 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

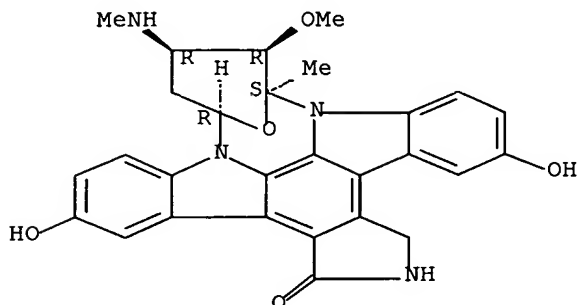
Absolute stereochemistry.



RN 135384-20-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

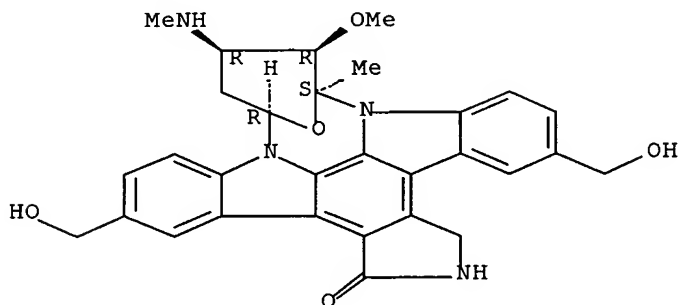
Absolute stereochemistry.



RN 135384-21-3 CAPLUS

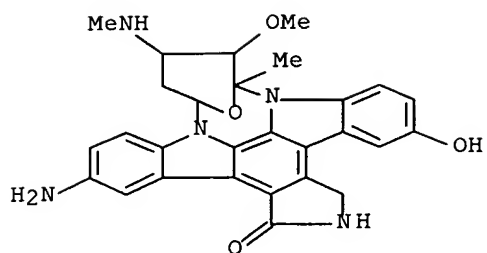
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

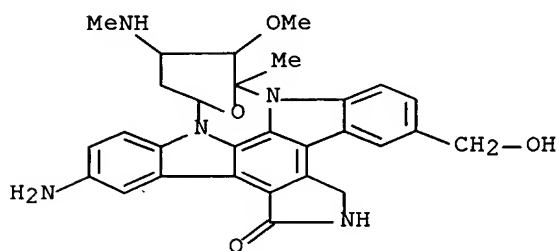


RN 135384-22-4 CAPLUS

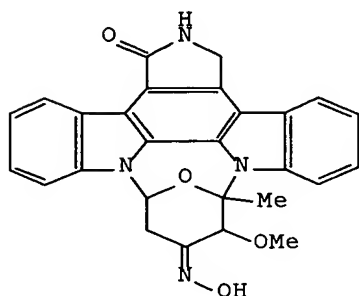
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-5-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



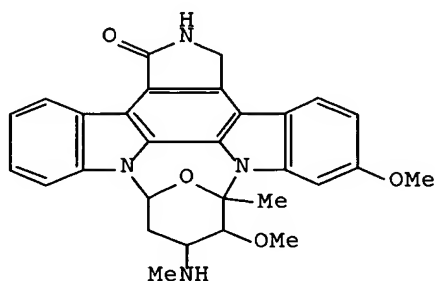
RN 135384-23-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-5-(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



L8 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1991:471987 CAPLUS
 DN 115:71987
 TI Structure determination of indolocarbazole alkaloids by NMR spectroscopy
 AU Tsubotani, Shigetoshi; Tanida, Seiichi; Harada, Setsuo
 CS Microbiol. Res. Lab., Takeda Chem. Ind. Ltd., Osaka, 532, Japan
 SO Tetrahedron (1991), 47(22), 3565-74
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 GI

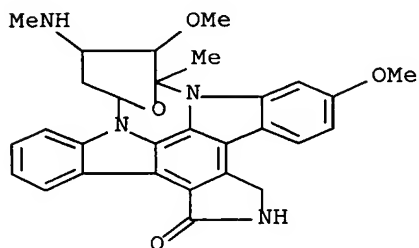


I



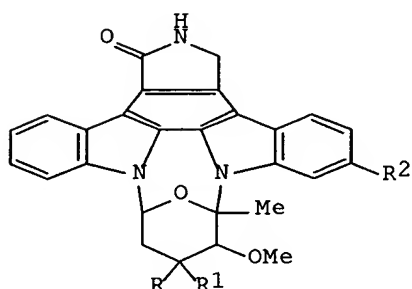
II

AB The structures of two indolocarbazole alkaloids with macrophage-activating properties, TAN-1030 (I) and TAN-999 (II), were detd. based on NMR spectral anal.
 IT **124843-68-1**, TAN 999
 RL: PRP (Properties)
 (mol. structure of, NMR in relation to)
 RN 124843-68-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-6,10-dimethoxy-9-methyl-11-(methylamino)- (9CI) (CA INDEX NAME)



same as in 17

L8 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:151423 CAPLUS
 DN 112:151423
 TI TAN-999 and TAN-1030A, a new indolocarbazole alkaloids with
 macrophage-activating properties
 AU Tanida, Seiichi; Takizawa, Masayuki; Takahashi, Toshiyuki; Tsubotani,
 Shigetoshi; Harada, Setsuo
 CS Microbiol. Res. Lab., Takeda Chem. Ind. Ltd., Osaka, 532, Japan
 SO Journal of Antibiotics (1989), 42(11), 1619-30
 CODEN: JANTAJ; ISSN: 0021-8820
 DT Journal
 LA English
 GI



I, R=H, R1=NHMe, R2=OMe
 II, RR1=NOH, R2=H

same as i / 6

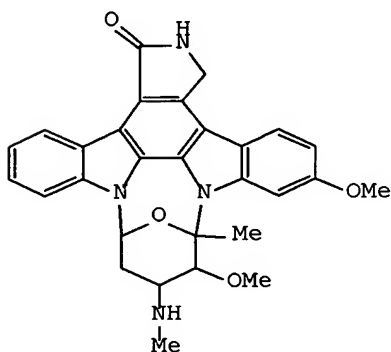
AB Two new indolocarbazole alkaloids, TAN-999 (I) and TAN-1030A (II) were
 isolated from culture broths of *Nocardia* *das*sonvillei C-71425 and
Streptomyces sp. C-71799, resp. Their structures were elucidated on the
 basis of their reactions and spectroscopic comparison with
 staurosporine.

They induced spreading of the murine macrophage cell line Mm 1. They
 also
 augmented the phagocytic activity, Fc.gamma. receptor expression, and
 .beta.-glucuronidase activity of the murine macrophage cell lines Mm 1
 and
 J774A.1. When proteose/peptone-elicited peritoneal macrophages from
 mice
 were incubated with them for 2 days, their phagocytosis-dependent
 respiratory burst was enhanced. Similar enhancement was also obsd. when
 the peritoneal macrophages were modulated by i.p. administration of them
 in mice. Thus, TAN-999 and TAN-1030A can activate macrophage functions
 in mice.

IT 126221-75-8, TAN 999
 RL: BIOL (Biological study)
 (isolation and structure detn. and macrophage-activating properties
 of)
 RN 126221-75-8 CAPLUS

L8 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:75314 CAPLUS
 DN 112:75314
 TI Antibiotic TAN-999, its manufacture with Nocardiosis, and macrophage activator containing the antibiotic
 IN Tanida, Seiichi; Takahashi, Toshiyuki; Tsuboya, Shigetoshi; Harada, Setsuo
 PA Takeda Chemical Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 01149791	A2	19890612	JP 1987-310253	19871207
PRAI	JP 1987-310253		19871207		
GI					

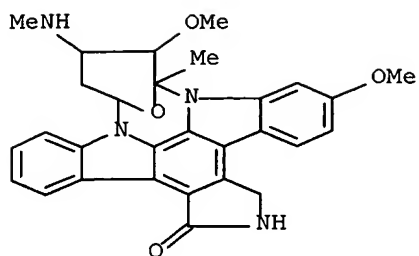


I

AB Macrophage activators, useful for treatment of mycosis, bacterial infection, cancer, etc., contain antibiotic TAN-999 (I) or its salts manufd. by cultivation of Nocardiosis. Nocardiosis C-71425 was precultured in a medium contg. glucose, sol. starch, raw soybean meal, corn steep liquor, peptone, and salts at 28.degree. for 48 h, shake-cultured in the same medium at 28.degree. for 48 h, and further aerobically cultured in a medium contg. glucose, dextrin, defatted soybean meal, and CaCO₃ at 28.degree. for 96 h to produce 588 mg I from 110 L culture soln. Physicochem. properties of I are shown.

IT **124986-48-7P**
 RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)
 (manuf. of, from antibiotic TAN-999, macrophage activators contg.)

RN 124986-48-7 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-6,10-dimethoxy-9-methyl-11-(methylamino)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

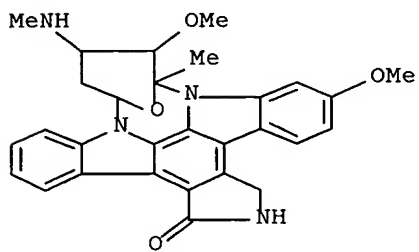
IT 124843-68-1P

RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)

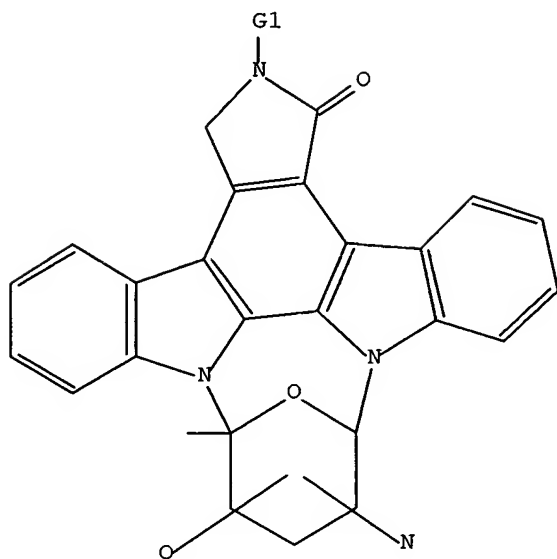
(manuf. of, with Nocardiosis, macrophage activators contg.)

RN 124843-68-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-6,10-dimethoxy-9-methyl-11-(methylamino)- (9CI) (CA INDEX NAME)



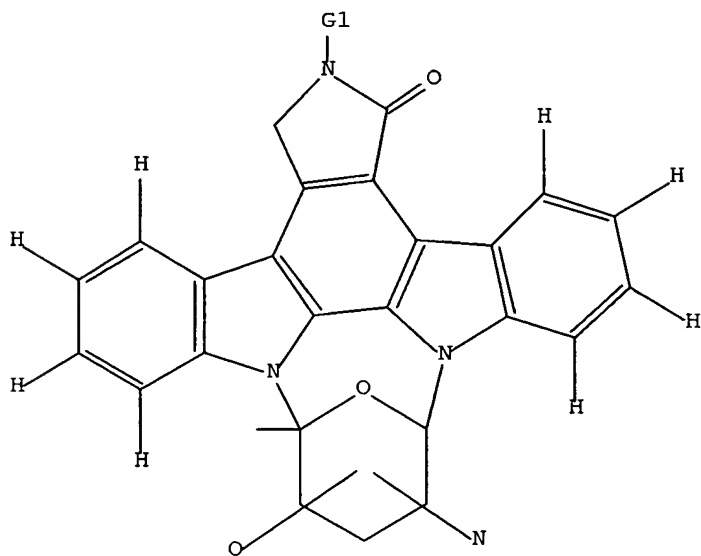
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L1 HAS NO ANSWERS
L1 STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

L4 HAS NO ANSWERS
L4 STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

(FILE 'HOME' ENTERED AT 16:25:03 ON 08 APR 2003)

FILE 'REGISTRY' ENTERED AT 16:25:10 ON 08 APR 2003

L1 STRUCTURE UPLOADED

L2 35 S L1
 L3 657 S L1 FUL
 L4 STRUCTURE UPLOADED
 L5 14 S L4 SAM SUB=L3
 L6 272 S L4 FUL SUB=L3
 L7 385 S L3 NOT L6

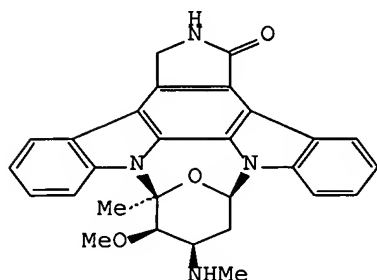
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 L8 18 S L7

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	81.08	265.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-11.72	-11.72

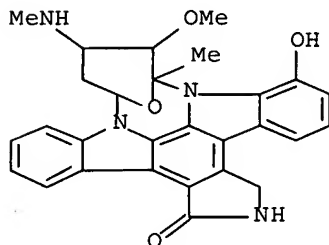
STN INTERNATIONAL LOGOFF AT 16:29:59 ON 08 APR 2003

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:323976 CAPLUS
 DN 120:323976
 TI Absolute configuration of staurosporine by x-ray analysis
 AU Funato, Nobuyuki; Takayanagi, Hiroaki; Konda, Yaeko; Toda, Yumiko;
 Harigaya, Yoshihiro; Iwai, Yuzuru; Omura, Satoshi
 CS Sch. Pharm. Sci., Kitasato Univ., Japan
 SO Tetrahedron Letters (1994), 35(8), 1251-4
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English
 GI



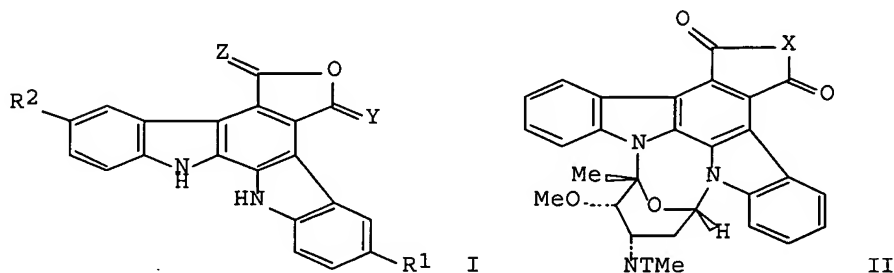
I

AB The stereostructure of staurosporine (I) was detd. abs. to be
 2'S,3'R,4'R,6'R-configurations by means of x-ray crystallog. anal. of
 4'-N-methylstaurosporine methiodide.
 IT 143682-17-1, 11-Hydroxystaurosporine
 RL: PRP (Properties) (abs. configuration of)
 RN 143682-17-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-
 methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX
 NAME)



L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:31003 CAPLUS
 DN 120:31003
 TI Preparation of indolocarbazole derivatives as antitumor agents
 IN Yamada, Rintaro; Hayashi, Yoshiharu
 PA Asahi Chemical Ind, Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05140168	A2	19930608	JP 1991-297072	19911113
PRAI	JP 1991-297072		19911113		
OS	MARPAT 120:31003				
GI					



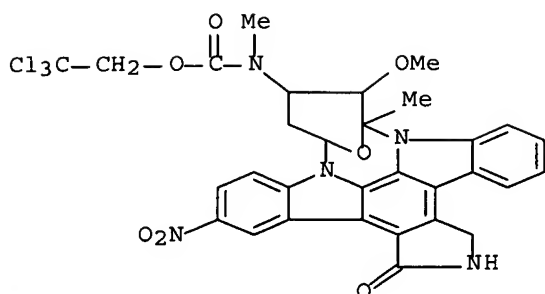
AB The title compds. I (C:z, C:Y = CH₂, C:O; one of C:Z and C:Y must be other than CH₂; R₁, R₂ = H, nitro, OH, halo, etc.) were prepd. A mixt. of indolocarbazole deriv. II (X = NH; T = Cl₃C CH₂O₂C) and aq. NH₄OH in MeOH and dioxane was heated at 50.degree. for 3 h. The resulting mixt. was then treated with aq. NaOH at 10.degree. for 3.5 h to give II (X = O; T = Cl₃CCH₂O₂C) (III). Treatment of III with a mixt. of CF₃CO₂H and HCl gave, after workup, I (Y = Z = O, R₁ = R₂ = H) (IV). IV at 10 mg/kg showed antitumor activity in mice.

IT 135384-27-9P 135384-29-1P 149166-82-5P
 149166-84-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);
 RACT (Reactant or reagent) (prepn. and reaction of, in prepn. of
 antitumor agent)

RN 135384-27-9 CAPLUS

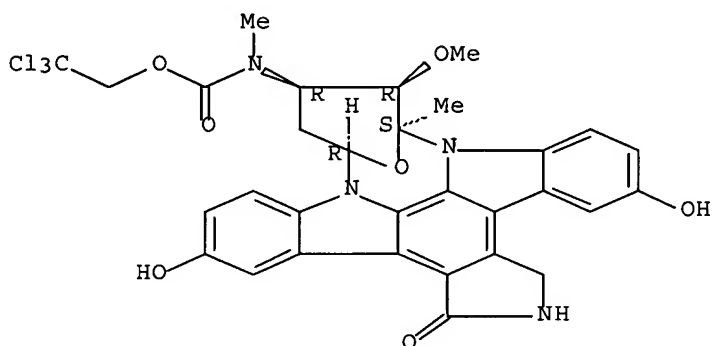
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-
 1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
 j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester,
 [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

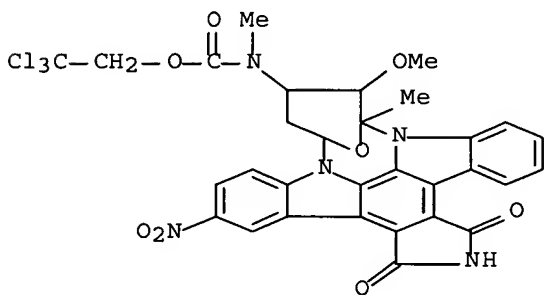
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



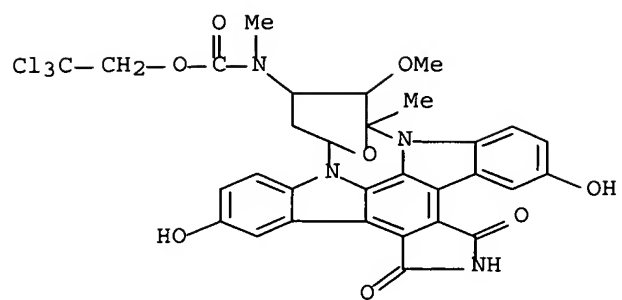
RN 149166-82-5 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)

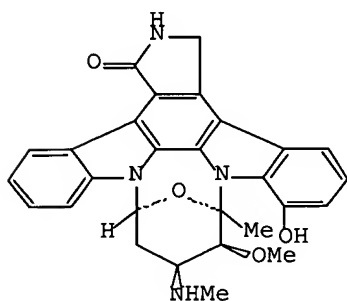


RN 149166-84-7 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1,3-dioxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, (9.alpha.,10.beta.,11.beta.,13.alpha.)- (9CI) (CA INDEX NAME)



L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1992:609157 CAPLUS
 DN 117:209157
 TI 11-Hydroxystaurosporine: a highly cytotoxic, powerful protein kinase C inhibitor from a tunicate
 AU Kinnel, Robin B.; Scheuer, Paul J.
 CS Dep. Chem., Univ. Hawaii, Manoa, Honolulu, HI, 96822, USA
 SO Journal of Organic Chemistry (1992), 57(23), 6327-9
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 GI



I

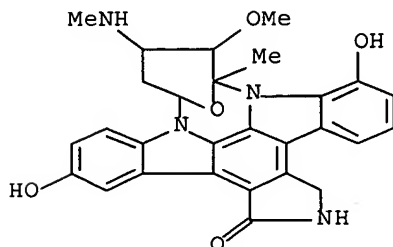
AB A new inhibitor of protein kinase C (PKC), 11-hydroxystaurosporine (I), has been isolated from a tunicate of the species Eudistoma collected in Pohnpei. This alkaloid is the first with the indolo[2,3-a]carbazole ring system from a marine source. The structure was elucidated by a combination of NMR and mass spectroscopy. I is highly toxic to human nasopharyngeal cells and inhibits protein kinase C with an IC₅₀ of 2.2 nM. A second deriv., 3,11-dihydroxystaurosporine, was also isolated in ams. too small to characterize fully.

IT 143682-18-2

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
 BIOL (Biological study); OCCU (Occurrence) (of tunicate)

RN 143682-18-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R) - (9CI) (CA INDEX NAME)

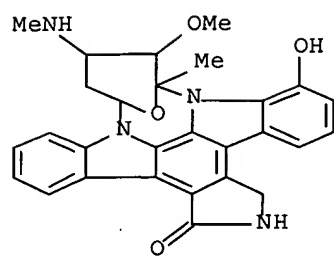


IT 143682-17-1

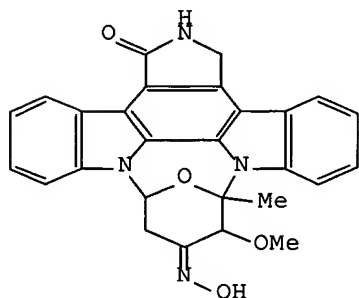
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
 BIOL (Biological study); OCCU (Occurrence)
 (of tunicate, cytotoxicity of and protein kinase C inhibition by)

RN 143682-17-1 CAPLUS

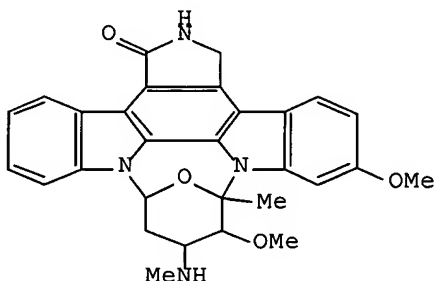
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R) - (9CI) (CA INDEX



L8 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1991:471987 CAPLUS
 DN 115:71987
 TI Structure determination of indolocarbazole alkaloids by NMR spectroscopy
 AU Tsubotani, Shigetoshi; Tanida, Seiichi; Harada, Setsuo
 CS Microbiol. Res. Lab., Takeda Chem. Ind. Ltd., Osaka, 532, Japan
 SO Tetrahedron (1991), 47(22), 3565-74
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 GI

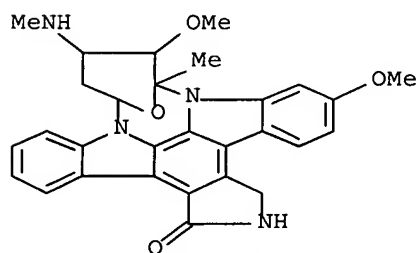


I

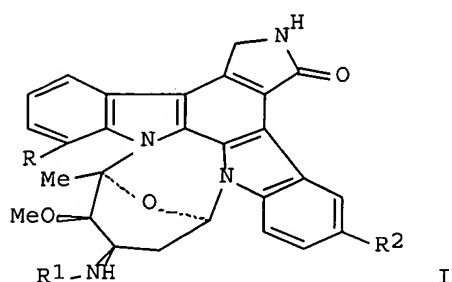


II

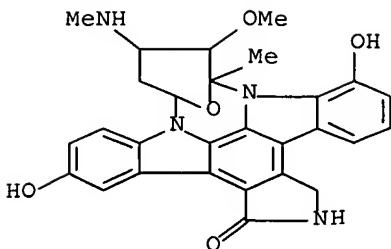
AB The structures of two indolocarbazole alkaloids with macrophage-activating properties, TAN-1030 (I) and TAN-999 (II), were detd. based on NMR spectral anal.
 IT 124843-68-1, TAN 999
 RL: PRP (Properties)
 (mol. structure of, NMR in relation to)
 RN 124843-68-1 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-6,10-dimethoxy-9-methyl-11-(methylamino)- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:269598 CAPLUS
 DN 133:14836
 TI A new staurosporine analog from the prosobranch mollusk *Coriocella nigra*
 AU Cantrell, Charles L.; Groweiss, Amiram; Gustafson, Kirk R.; Boyd, Michael R.
 CS Division of Cancer Treatment, Diagnosis, Laboratory of Drug Discovery Research and Development, Developmental Therapeutics Program, Frederick, MD, 21702-1201, USA
 SO Natural Product Letters (1999), 14(1), 39-46
 CODEN: NPLEEF; ISSN: 1057-5634
 PB Harwood Academic Publishers
 DT Journal
 LA English
 GI



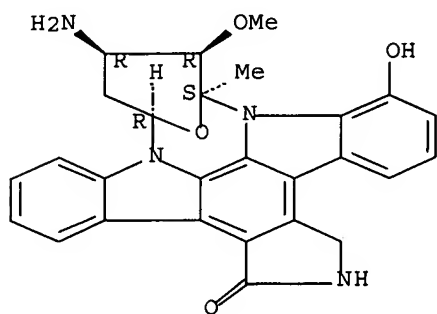
AB A new staurosporine analog, 4'-N-demethyl-11-hydroxystaurosporine I (R = OH, R1 = R2 = H), was isolated by cytotoxicity-guided fractionation of an org. ext. of the prosobranch mollusk *Coriocella nigra*. The known staurosporine deriv. 3,11-dihydroxystaurosporine I (R = R2 = OH, R1 = Me) was also isolated from this ext. Concurrent investigations of *Coriocella hibiya* resulted in the isolation of two known compds., lamellarins C and U. The structures of all four alkaloids were elucidated by spectroscopic methods and the compds. were evaluated for cytotoxicity against 10 human tumor cell lines. 4'-N-demethyl-11-hydroxystaurosporine and 3,11-dihydroxystaurosporine demonstrated potent cytotoxic activity with IC50's ranging from approx. 2 to 66 ng/mL.
 IT 143682-18-2P, 3,11-Dihydroxystaurosporine 272766-45-7P, 4'-N-Demethyl-11-hydroxystaurosporine
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation) (isolation, antitumor activity, and mol. structure of 4'-N-demethyl-11-hydroxystaurosporine, a new staurosporine analog from the prosobranch mollusk, *Coriocella nigra*)
 RN 143682-18-2 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-7,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R) - (9CI) (CA INDEX NAME)



RN 272766-45-7 CAPLUS

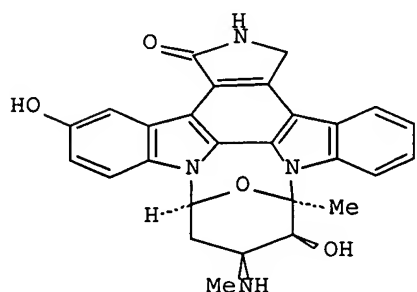
CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-hydroxy-10-methoxy-9-methyl-, (9S,10R,11R,13R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



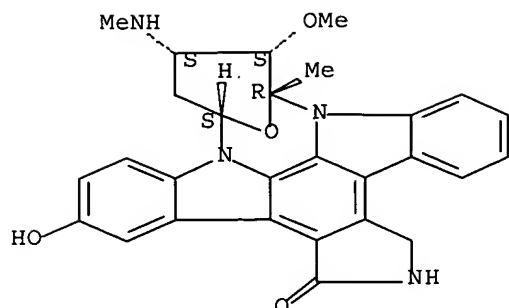
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:346583 CAPLUS
 DN 131:182513
 TI Staurosporine derivatives from the ascidian *Eudistoma toaealensis* and its predatory flatworm *Pseudoceros* sp.
 AU Schupp, Peter; Eder, Claudia; Proksch, Peter; Wray, Victor; Schneider, Bernd; Herderich, Markus; Paul, Valerie
 CS Lehrstuhl fuer Pharmazeutische Biologie, Julius-von-Sachs-Institut fuer Biowissenschaften, Wuerzburg, D-97082, Germany
 SO Journal of Natural Products (1999), 62(7), 959-962
 CODEN: JNPRDF; ISSN: 0163-3864
 PB American Chemical Society
 DT Journal
 LA English
 GI



AB Two new indolocarbazole alkaloids, 3-hydroxy-3'-demethoxy-3'-hydroxystaurosporine (I) and 11-hydroxy-4'-N-demethylstaurosporine, were isolated from the marine ascidian *Eudistoma toaealensis* and its predator, the marine flatworm *Pseudoceros* sp. In addn., five known derivs. were isolated in their protonated states, which caused the pyran-ring system to adopt a boat conformation. The structures were detd. by 1D and 2D homonuclear and 1H-detected heteronuclear NMR spectroscopy and from comparisons with published data. The heteronuclear correlations were necessary to establish reliable data for the structure elucidation.
 IT 239785-02-5
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP(Properties); BIOL (Biological study); OCCU (Occurrence)
 (staurosporine derivs. from ascidian *Eudistoma toaealensis* and predatory flatworm *Pseudoceros* sp.)
 RN 239785-02-5 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-17-hydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



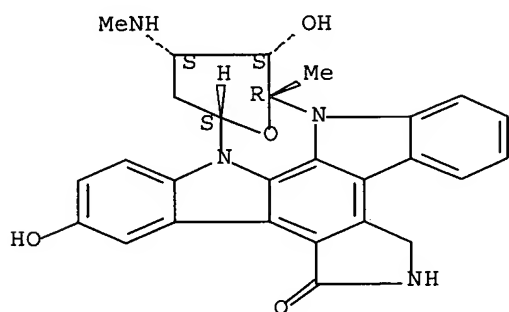
IT 239785-04-7P 239785-05-8P

RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
PRP (Properties); PUR (Purification or recovery); BIOL (Biological
study); OCCU (Occurrence); PREP (Preparation)
(staurosporine derivs. from ascidian Eudistoma toaealensis and predatory
flatworm Pseudoceros sp.)

RN 239785-04-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-10,17-dihydroxy-9-
methyl-11-(methylamino)-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

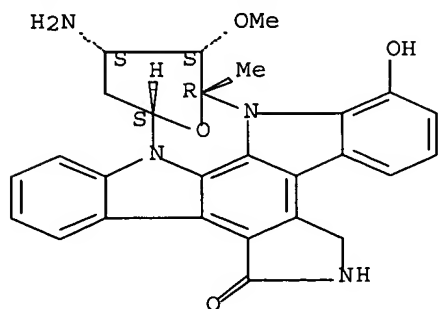
Absolute stereochemistry.



RN 239785-05-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-
j][1,7]benzodiazonin-1-one, 11-amino-2,3,10,11,12,13-hexahydro-7-
hydroxy-10-methoxy-9-methyl-, (9R,10S,11S,13S)- (9CI) (CA INDEX NAME)

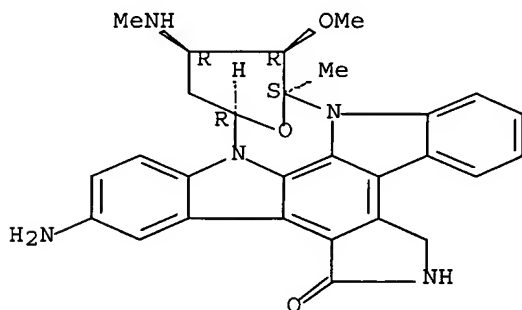
Absolute stereochemistry.



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

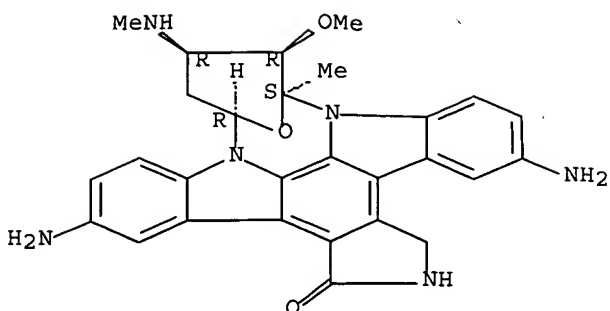
L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:652181 CAPLUS
 DN 126:19087
 TI Synthesis and anti-platelet aggregation activity of water-soluble staurosporine derivatives
 AU Yamada, Rintaro; Seto, Minoru; Sasaki, Yasuharu; Sunazuka, Toshiaki; Harigaya, Yoshihiro; Iwai, Yuzuru; Omura, Satoshi
 CS Kitasato Inst., Kitasato Univ., Tokyo, 108, Japan
 SO Journal of Antibiotics (1996), 49(10), 1070-1072
 CODEN: JANTAJ; ISSN: 0021-8820
 PB Japan Antibiotics Research Association
 DT Journal
 LA English
 AB Several substituted staurosporine derivs. were prepd. from staurosporine in order to improve the soly. The 3,9-diamino deriv. had blood platelet aggregation and protein kinase inhibiting activity similar to that of staurosporine, but its hydrochloride had a soly. of >400 mg/mL in water.
 IT 135384-18-8P 135384-19-9P 135384-20-2P
 135384-21-3P 138585-98-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and platelet aggregation-inhibiting activity of water-sol. staurosporine derivs.)
 RN 135384-18-8 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 135384-19-9 CAPLUS
 CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R)- (9CI) (CA INDEX NAME)

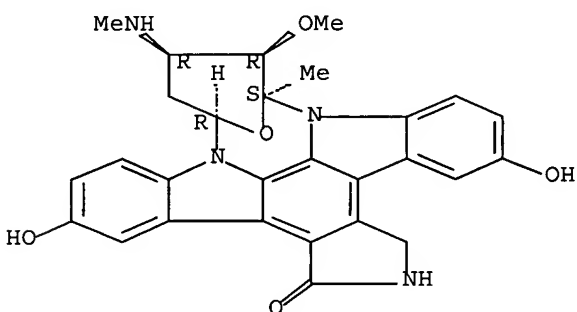
Absolute stereochemistry.



RN 135384-20-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R) - (9CI) (CA INDEX NAME)

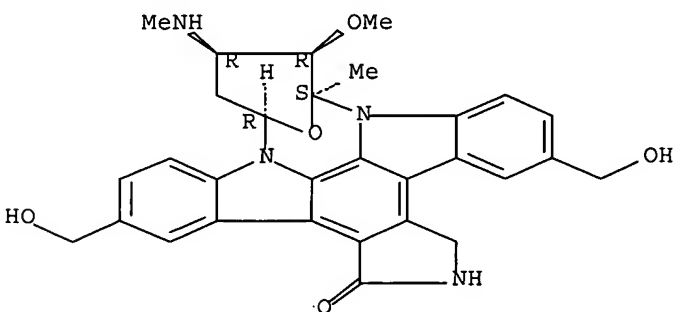
Absolute stereochemistry.



RN 135384-21-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-, (9S,10R,11R,13R) - (9CI) (CA INDEX NAME)

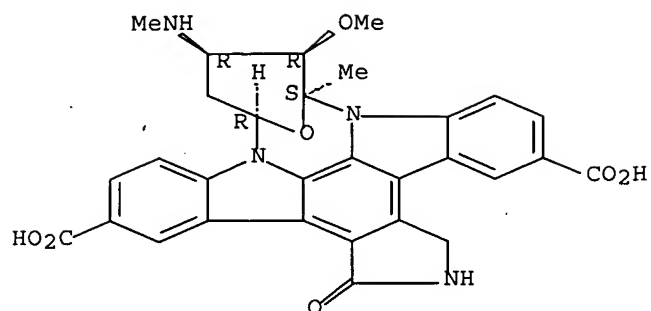
Absolute stereochemistry.



RN 138585-98-5 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, (9S,10R,11R,13R) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



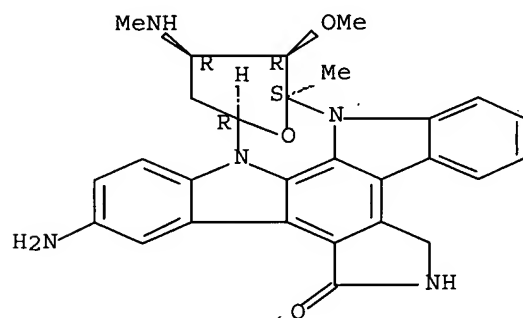
IT 184180-07-2P 184180-08-3P 184180-09-4P
184180-10-7P 184180-11-8P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and platelet aggregation-inhibiting activity of water-sol.
staurosporine derivs.)

RN 184180-07-2 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j]
[1,7]benzodiazonin-1-one, 17-amino-2,3,10,11,12,13-hexahydro-10-
methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-
(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

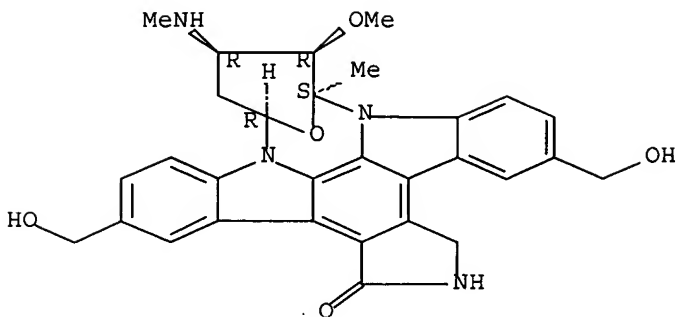


○ HCl

RN 184180-08-3 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j]
[1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-
bis(hydroxymethyl)-10-methoxy-9-methyl-11-(methylamino)-,
monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

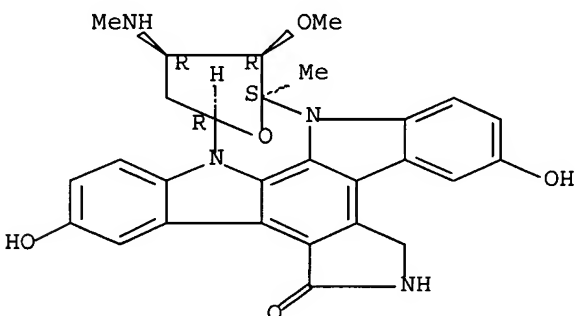


⊙ HCl

RN 184180-09-4 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

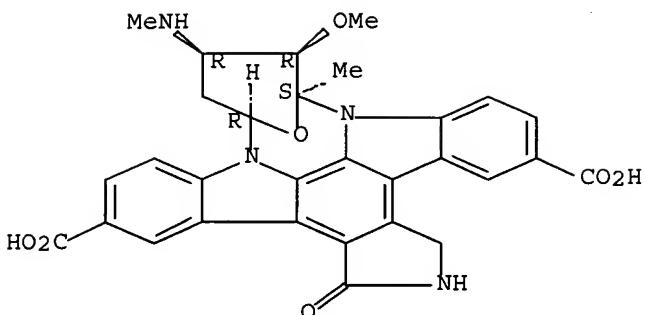


⊙ HCl

RN 184180-10-7 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-1-oxo-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

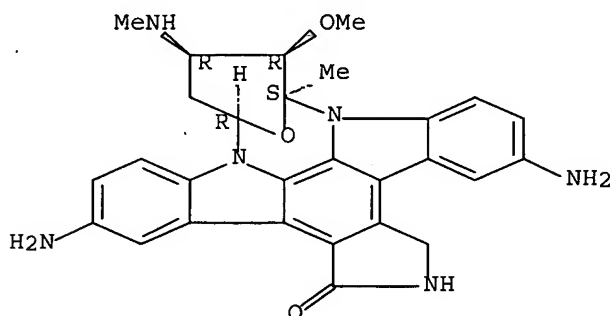


⊙ HCl

RN 184180-11-8 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-1-one, 5,17-diamino-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-(methylamino)-, monohydrochloride, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



⊙ HCl

IT 135384-27-9P 135384-28-0P 135384-29-1P

135417-39-9P 183999-34-0P 183999-35-1P

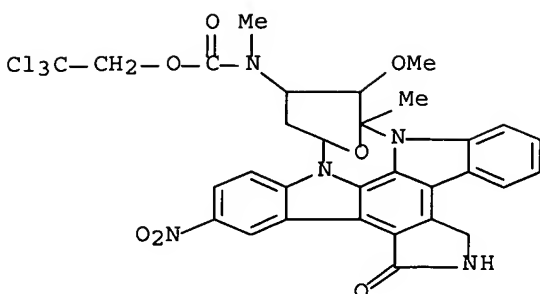
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);

RACT (Reactant or reagent)

(prepn. and platelet aggregation-inhibiting activity of water-sol. staurosporine derivs.)

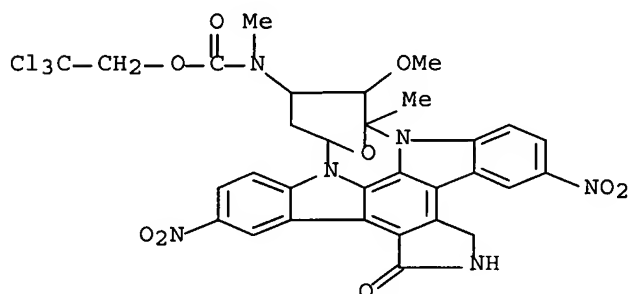
RN 135384-27-9 CAPLUS

CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-17-nitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-28-0 CAPLUS

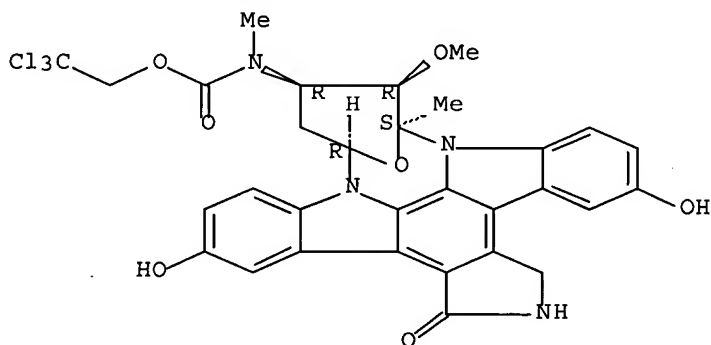
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-5,17-dinitro-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 135384-29-1 CAPLUS

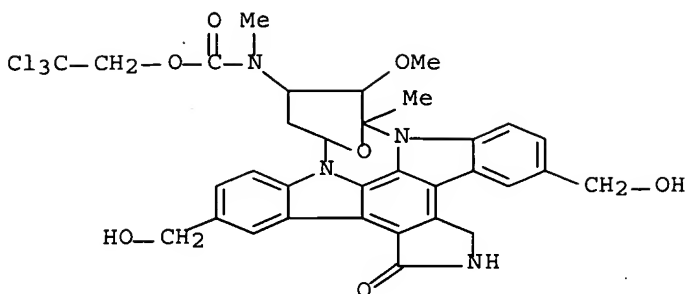
CN Carbamic acid, (2,3,10,11,12,13-hexahydro-5,17-dihydroxy-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 135417-39-9 CAPLUS

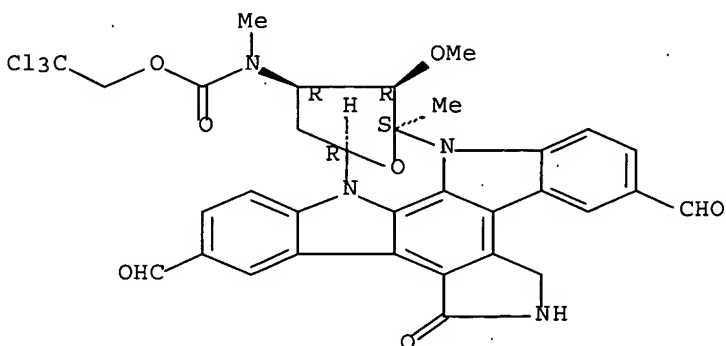
CN Carbamic acid, [2,3,10,11,12,13-hexahydro-5,17-bis(hydroxymethyl)-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)



RN 183999-34-0 CAPLUS

CN Carbamic acid, (5,17-diformyl-2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl)methyl-, 2,2,2-trichloroethyl ester, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 183999-35-1 CAPLUS

CN 9,13-Epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonine-5,17-dicarboxylic acid, 2,3,10,11,12,13-hexahydro-10-methoxy-9-methyl-11-[methyl[(2,2,2-trichloroethoxy)carbonyl]amino]-1-oxo-, [9S-(9.alpha.,10.beta.,11.beta.,13.alpha.)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

